City of Winnipeg

20[illegible]

ADOPTED CAPITAL BUDGET

2012 - 2016 Five Year [illegible]

Adopted by Council [illegible]

Winnipeg

The City of Winnipeg

2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

Adopted by Council on February 22, 2011

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Prepared by Corporate Finance,
The City of Winnipeg

City of Winnipeg website: www.winnipeg.ca

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Winnipeg

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The City of Winnipeg

Overview

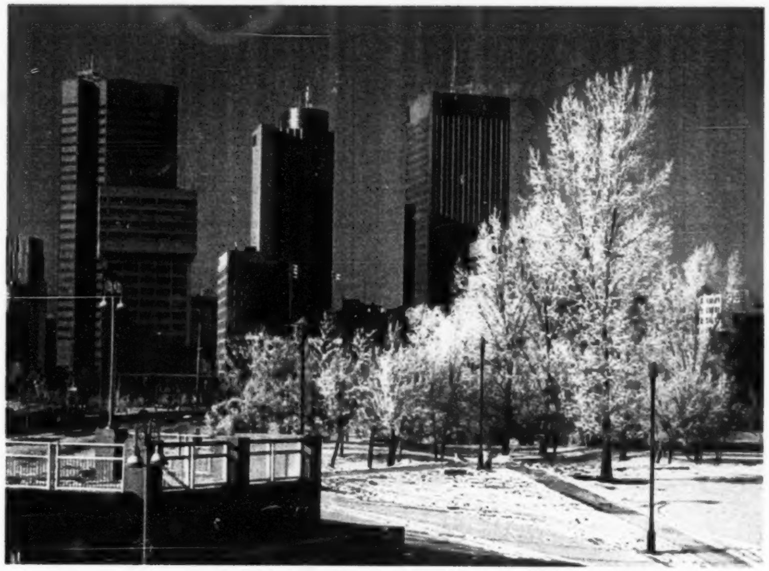
2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

Adopted by Council on February 22, 2011

2011 ADOPTED CAPITAL BUDGET 1 2012 TO 2016 FIVE YEAR FORECAST



2011 Adopted Capital Budget

and

2012 to 2016 Five Year Capital Forecast

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2011 CAPITAL BUDGET PROCESS

- The City's first Capital Budget public consultations December 6th and December 9th
- Infrastructure Funding Council
- Comprehensive Asset Management Initiative
- Standing Policy Committee Review and Council debate and adoption

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2011 CAPITAL BUDGET CONTEXT

- **Multi-year view**
- **Challenged by aging infrastructure and an infrastructure deficit**
- **Capital construction inflation not as high as in the recent past**
- **Government Partnerships**

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HIGHLIGHTS

- 6 Year Capital investment plan of $2.2 billion:
  - Commitment to the redevelopment of Assiniboine Park through the Assiniboine Park Conservancy - $57.7 million
  - Public Safety - $161.6 million including the new Police Headquarters and the Fire Paramedic facilities replacement plan
- $370.1 million in 2011
  - PPP Canada funding of $22.3 million for Chief Peguis Trail
  - University of Winnipeg - Soccer Complex - $2 million
- Cash to Capital $67.5 million in 2011 and growing annually by $2 million

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AREAS OF MAJOR CAPITAL INVESTMENT

- **$905.7 million for sewage disposal projects**
- **$422.4 million for roads and bridges**
- **$210.2 million for parks, community infrastructure and amenities**
- **$171.5 million for the water system**
- **$161.8 million for the transit system**
- **$161.6 million for public safety infrastructure**
- **$81.9 million for land drainage and flood control**

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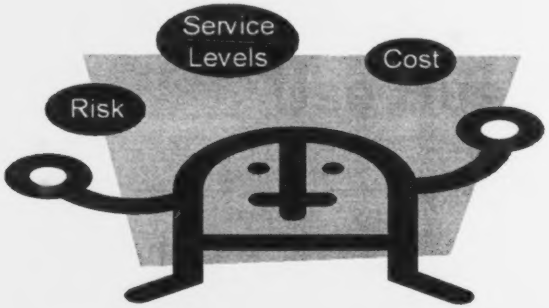
COMPREHENSIVE ASSET MANAGEMENT

Three Key Concepts

- Continuously delivering established levels of service
- At an acceptable level of risk
- Reduce the lifecycle costs of owning, operating and maintaining infrastructure assets

Use Business Approaches

- Define asset requirements
- Use business case evaluations
- Incorporate risk and prioritization



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COMPREHENSIVE ASSET MANAGEMENT BENEFITS

- Lower overall cost of asset ownership over time (capital and operating costs)
- Improved asset reliability and asset effective life
- Better allocation of scarce resources through risk management
- Improved coordination over the asset life cycle
- Improved asset knowledge management and use of data to drive decision making

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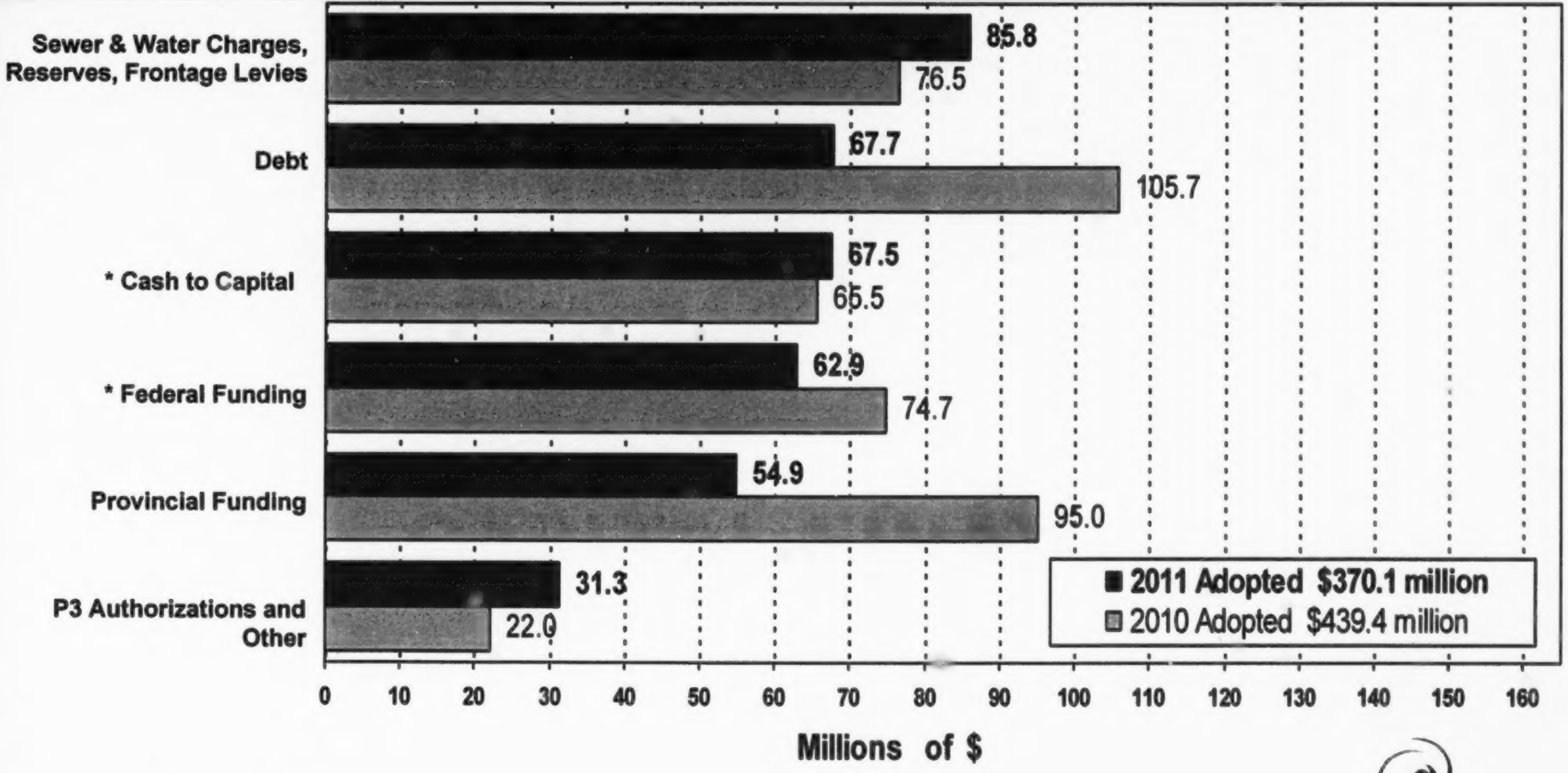
CAPITAL FINANCING



* Includes funding for P3 payments.

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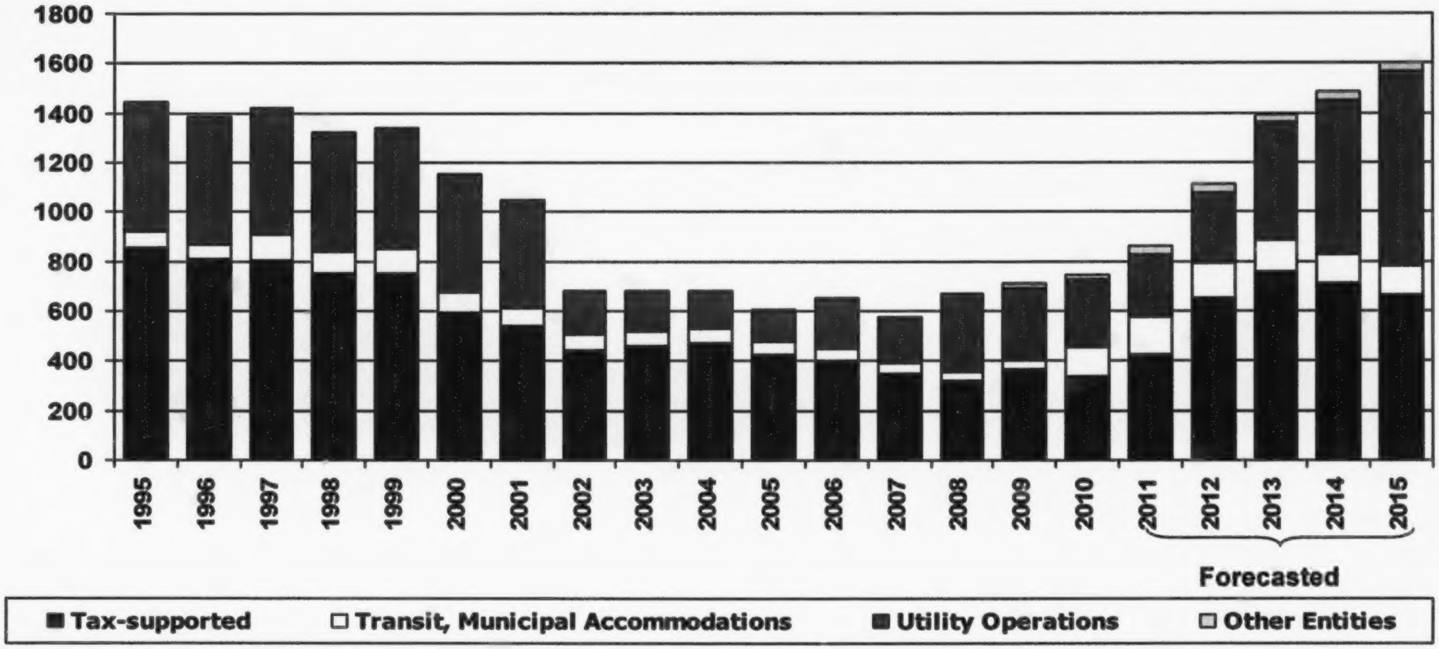
CITY OF WINNIPEG NET DEBT PER CAPITA
at December 31st



- Debenture debt and P3 obligations included
- Other Entities included in 2009 and subsequent years

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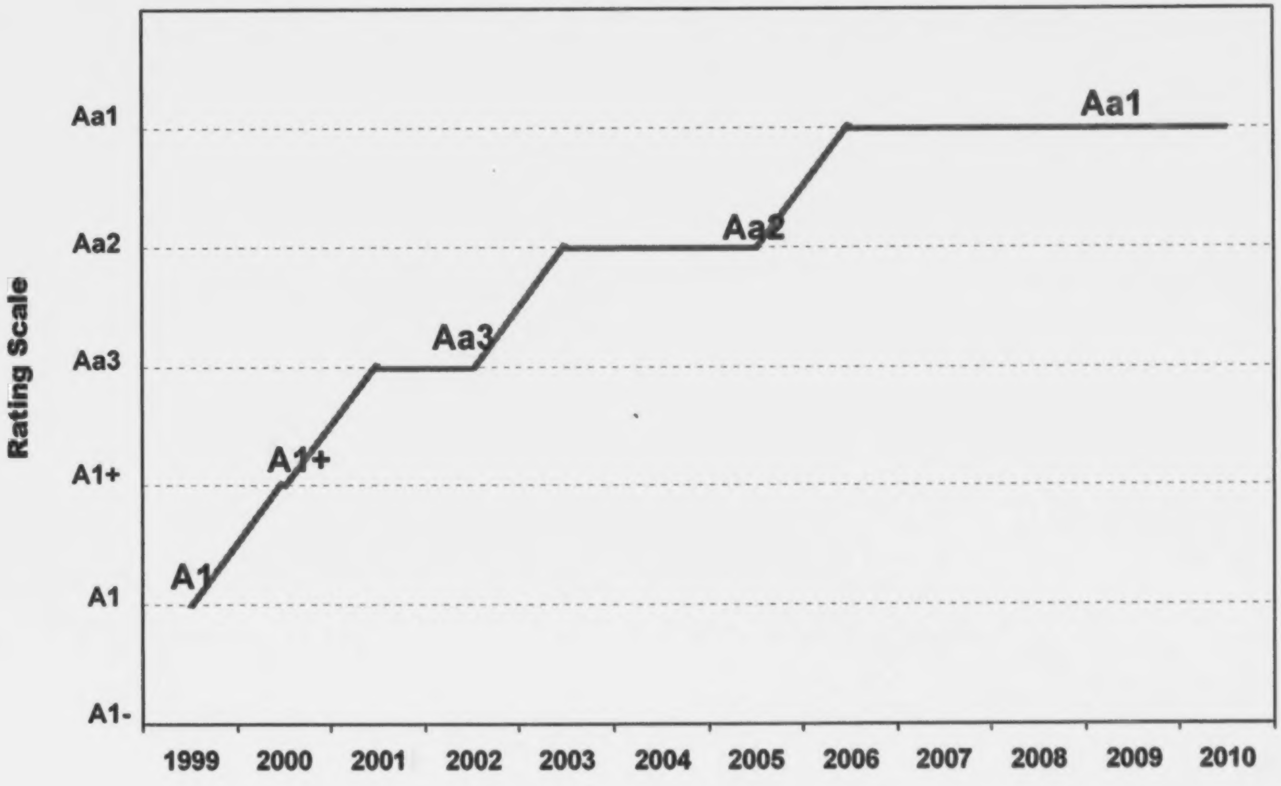
CREDIT RATING



Source Moody's Investors Service

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Council Adoption of the 2011 Capital Budget

On February 22, 2011 Council adopted the following recommendations:

1. A. That the 2011 Capital Budget totalling $370,114,000 requiring borrowing authority of up to $78,952,000, as tabled at the Executive Policy Committee meeting on January 21, 2011, and amended by Recommendation No. 2, be approved.

   B. That the 2012 to 2016 Five Year Capital Forecast as tabled at the Executive Policy Committee meeting on January 21, 2011, and amended by Recommendation No. 2, be approved in principle.

2. That up to $1 million in funding be allocated each year from the $3 million Granular Roadway Improvements project account for sub-cutting and adding gravel to unimproved gravel back-lanes in need of repair.

3. That the cash to capital contribution be as follows:

Year	$ Millions
2011	67.478
2012	69.478
2013	71.478
2014	73.478
2015	75.478
2016	77.478

4. That all other transfers to/from reserves and other funds outlined in the Capital Budget be approved.

5. That the expenditure of $9.409 million be authorized for the Transit Building Replacement/Refurbishment in 2011 or prior to the adoption of the 2012 Capital Budget as a first charge, in accordance with Subsection 288(2) of The City of Winnipeg Charter to allow for timely contract award and capital work.

6. That the expenditure of $800,000 be authorized for the Assiniboine Park Conservancy – Capital Development Plan in 2011 or prior to the adoption of the 2012 Capital Budget as a first charge, in accordance with Subsection 288(2) of The City of Winnipeg Charter to allow for timely contract award and capital work.

7. That the Director of Legal Services and City Solicitor be requested to submit the necessary borrowing by-law directly to Council.

8. That the Proper Officers of the City be authorized to do all things necessary to implement the foregoing, including the execution of any documents related thereto.

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The City of Winnipeg

CAPITAL PROJECTS SUMMARY

2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

Adopted by Council on February 22, 2011

Notes:

1. Capital budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Public Private Partnership proposals).

2. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
	BUDGET 2011	FORECAST 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
SUMMARY OF CAPITAL PROGRAM							
Public Works	119,241	73,874	63,241	68,078	68,761	64,166	457,361
Local Improvements		3,000	3,000	3,000	3,000	3,000	15,000
Water and Waste	6,098	10,240	17,725	15,298	16,450	16,058	81,869
Community Services & Community Incentive Grants	13,831	21,711	17,892	15,673	18,855	22,388	110,350
Winnipeg Police Service	99,539	7,990	12,924	16,215	5,236	800	142,704
Fire Paramedic Service			5,000	858	5,000	8,000	18,858
Planning, Property and Development	5,864	5,550	5,284	5,798	5,460	5,877	33,833
City Clerks	650	650	650	700	500		3,150
Corporate Support Services	4,284	2,273	1,788	2,207	2,328	1,876	14,756
Assessment and Taxation		500			750	500	1,750
Other Projects	7,899	100	150				8,149
Sub-Total Tax Supported General	257,406	125,888	127,654	127,827	126,340	122,665	887,780
Municipal Accommodations	8,885	7,679	8,905	8,665	8,835	8,252	51,221
Transit	28,113	25,009	28,085	29,269	22,287	29,021	161,784
Total Tax Supported Including Transit and Municipal Accommodations	294,404	158,576	164,644	165,761	157,462	159,938	1,100,785
UTILITIES							
Waterworks System	27,570	29,485	33,570	24,160	21,300	35,450	171,535
Sewage Disposal System	47,590	222,300	280,250	182,350	99,850	73,400	905,740
Solid Waste Disposal System	400	24,300	3,700	1,530	1,370	1,410	32,710
Total Utilities	75,560	276,085	317,520	208,040	122,520	110,260	1,109,985
SPECIAL OPERATING AGENCIES							
Winnipeg Golf Services	150	150					300
Total Special Operating Agencies	150	150					300
TOTAL CAPITAL PROGRAM	370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
	BUDGET	**FORECAST**					**2011-2016 6 YEAR TOTAL**
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	
SUMMARY OF FINANCING SOURCES							
Cash to Capital	67,478	69,478	71,478	73,478	75,478	77,478	434,868
Public Private Partnership Annual Service/Financing Payments	(10,913)	(25,636)	(33,011)	(33,011)	(33,011)	(33,012)	(168,594)
Reserves:							
- Transit Bus Replacement	9,036	8,196	7,466	7,466	7,466	7,466	47,096
- Rapid Transit Infrastructure	4,242						4,242
- Watermain Renewal	13,500	14,000	15,000	16,000	17,000	17,000	92,500
- Sewer System Rehabilitation	13,500	18,200	25,900	25,600	26,400	27,200	136,800
- Environmental	7,300	25,549	20,759	21,320	21,323	17,200	113,451
- Land Operating				29,935			29,935
- Golf Course	173	173	23	23	23		415
- Economic Development Investment	450	500		700	1,100	1,600	4,350
- General Purpose (Repayment)	(4,358)						(4,358)
Interim Financing (Repayment)	10,266			(29,935)			(19,669)
Contributions from Other Levels of Government:							
- Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450	243,300
- Veterans Affairs Canada	100	100	100	100	100	100	600
- PPP Canada Inc. - Federal Funding	22,300						22,300
- Manitoba Winnipeg Infrastructure Program	16,366	16,866	16,170	16,166	16,666	16,666	98,900
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Government Funding	2,667	2,666					5,333
- Provincial Funding for Road Improvements	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Other Funders:							
- Developers	295	500	1,375	500	500	500	3,670
Proceeds from Glacial and Sand Gravel	7,602						7,602
Retained Earnings - Transit	450	2,143					2,593
Retained Earnings - Utilities	41,560	41,285	68,620	45,440	43,120	59,160	299,185
Debt	67,652	183,901	211,994	123,729	27,527	2,550	617,353
Transfers from Other Capital Accounts	2,958						2,958
TOTAL FINANCING SOURCES	348,914	434,811	482,164	373,801	279,982	270,198	2,189,870
Public Private Partnership Authorization	21,200						21,200
TOTAL CAPITAL PROGRAM	370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
	BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
	2011	2012	2013	2014	2015	2016	
FINANCING SOURCES							
TAX SUPPORTED							
Cash to Capital	67,501	69,501	71,501	73,501	75,501	77,478	434,983
Public Private Partnership Annual Service/Financing Payments	(10,913)	(25,636)	(33,011)	(33,011)	(33,011)	(33,012)	(168,594)
Reserves:							
- Transit Bus Replacement	9,036	8,196	7,466	7,466	7,466	7,466	47,096
- Rapid Transit Infrastructure	4,242						4,242
- Economic Development Investment	450	500		700	1,100	1,600	4,350
- General Purpose (Repayment)	(4,358)						(4,358)
- Sewer System Rehabilitation	300	4,300	11,300	10,300	10,300	10,300	46,800
- Land Operating				29,935			29,935
Interim Financing (Repayment)	10,266			(29,935)			(19,669)
Contributions from Other Levels of Government:							
- Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450	243,300
- Veterans Affairs Canada	100	100	100	100	100	100	600
- PPP Canada Inc. - Federal Funding	22,300						22,300
- Manitoba Winnipeg Infrastructure Program	16,366	16,866	16,170	16,166	16,666	16,666	98,900
- Building Manitoba Fund	10,840	10,840	10,840	10,840	10,840	10,840	65,040
- Provincial Government Funding	2,667	2,666					5,333
- Provincial Funding for Road Improvements	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Other Funders:							
- Developers	295	500	1,375	500	500	500	3,670
Proceeds from Glacial and Sand Gravel	7,602						7,602
Debt	67,652	2,550	13,453	13,749	2,550	2,550	102,504
Retained Earnings - Transit	450	2,143					2,593
Transfers from Other Capital Accounts	2,958						2,958
Total Tax Supported Including Transit and Municipal Accommodations	273,204	158,576	164,644	165,761	157,462	159,938	1,079,585
Public Private Partnership Authorization	21,200						21,200
TOTAL TAX SUPPORTED PROGRAM	294,404	158,576	164,644	165,761	157,462	159,938	1,100,785

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
	BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
	2011	2012	2013	2014	2015	2016	
UTILITIES							
Reserves:							
- Sewer System Rehabilitation	13,200	13,900	14,600	15,300	16,100	16,900	90,000
- Watermain Renewal	13,500	14,000	15,000	16,000	17,000	17,000	92,500
- Environmental	7,300	25,549	20,759	21,320	21,323	17,200	113,451
Retained Earnings - Utilities	41,560	41,285	68,620	45,440	43,120	59,160	299,185
Debt		181,351	198,541	109,980	24,977		514,849
TOTAL UTILITIES	75,560	276,085	317,520	208,040	122,520	110,260	1,109,985
SPECIAL OPERATING AGENCIES							
- Cash to Capital	(23)	(23)	(23)	(23)	(23)		(115)
- Golf Course Reserve	173	173	23	23	23		415
TOTAL SPECIAL OPERATING AGENCIES	150	150					300
TOTAL FINANCING SOURCES	370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
CAPITAL PROJECTS LISTING								
PUBLIC WORKS								
Active Transportation Facilities								
Recreational Walkways and Bike Paths - Various Locations								
- Cash to Capital		500	500	500	500	500	500	3,000
- Provincial Funding for Road Improvements		500						500
Total Recreational Walkways and Bike Paths - Various Locations	3-1	1,000	500	500	500	500	500	3,500
New Regional Sidewalks	3-2	250	250	250	250	250	250	1,500
Active Transportation Corridors	3-3	500	500	500	500	500	500	3,000
Active Transportation Project - Infrastructure Stimulus Fund - Approved by Council on December 15, 2010								
- Transfer from Departmental Non-specified Capital Account - (First charge on 2011 Capital Budget)		2,000						2,000
- Transfer from Kenaston Underpass Project		958						958
Total Active Transportation Project - Infrastructure Stimulus Fund	3-4	2,958						2,958
Total Active Transportation Facilities		4,708	1,250	1,250	1,250	1,250	1,250	10,958
Regional Streets								
Street Improvements								
Traffic Signals Enhancement	3-5	2,300	2,300					4,600
Developer Payback - Various Locations								
- Cash to Capital		2,305	9,000	2,000				13,305
- Developer Funding		295						295
Total Developer Payback - Various Locations	3-6	2,600	9,000	2,000				13,600
Tuxedo Yards Development								
- Economic Development Investment Reserve		450	500		700	1,100	1,600	4,350
- Provincial Government Funding		2,667	2,666					5,333
Total Tuxedo Yards Development	3-7	3,117	3,166		700	1,100	1,600	9,683
Kenaston Blvd - Academy Road to Taylor Avenue	3-8	100	100	100	100	100	100	600
Traffic Engineering Improvements - Various Locations - First Charge on 2011 Capital Budget for Pedestrian Half Signal - Osborne Street and Wardlaw Avenue $111,300 (Council July 21, 2010)	3-9	1,950	1,050	1,150	1,250	1,250	1,250	7,900
Total Street Improvements		10,067	15,616	3,250	2,050	2,450	2,950	36,383

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
Regional and Local Streets								
- Cash to Capital		13,570	5,968	19,929	26,532	24,194	28,473	118,666
- Interim Financing (Repayment)		(4,150)						(4,150)
- Federal Gas Tax		26,026	15,355	9,355	9,355	9,355	9,355	78,801
- Provincial Funding for Road Improvements		500						500
- Provincial Building Manitoba Fund - Roads		7,000	7,000	7,000	7,000	7,000	7,000	42,000
Total Regional and Local Streets	3-10	42,946	28,323	36,284	42,887	40,549	44,828	235,817
Waterway Crossings and Grade Separations								
Sturgeon Road Bridge (Sturgeon Creek)								
- Cash to Capital		266	5,744					6,010
- Provincial Funding for Road Improvements		267	5,733					6,000
Total Sturgeon Road Bridge (Sturgeon Creek)	3-12	533	11,477					12,010
Osborne Street Bridge (Assiniboine River) - First charge on 2011 Capital Budget $10,100,000 and 2012 Capital Budget $7,255,000 (Council January 26, 2011)								
- Cash to Capital		6,712	4,121					10,833
- Provincial Funding for Road Improvements		3,388	3,134					6,522
Total Osborne Street Bridge (Assiniboine River)	3-13	10,100	7,255					17,355
Waverley Street / CN Mainline Grade Separation	3-14		1,000					1,000
Louise Bridge (Red River)	3-15			2,581		2,000		4,581
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-16			1,500				1,500
Fermor Avenue Bridge (Seine River)	3-17						500	500
Saskatchewan Avenue Culvert (Sturgeon Creek)	3-18						1,000	1,000
Pembina Highway Underpass								
- Cash to Capital		650		3,500	3,150			7,300
- Provincial Funding for Road Improvements		650		3,500	2,850			7,000
Total Pembina Highway Underpass	3-19	1,300		7,000	6,000			14,300
St. James Street Bridge (Omand's Creek)	3-20		200	1,961				2,161
Ness Avenue Culvert (Sturgeon Creek)	3-21			1,000	2,000	8,000		11,000
Portage Avenue Bridge (Sturgeon Creek)	3-22		500	500	5,000			6,000
Saskatchewan Avenue Bridge (Omand's Creek)	3-23				500	2,000		2,500
Lyndale Drive - Retaining Wall Rehabilitation	3-24				500	500	3,000	4,000
Osborne Street Underpass	3-25					2,500		2,500
Waterway Crossing and Grade Separations - Annual Program - First Charge on 2011 Capital Budget for Waterway Crossings and Grade Separations Annual Program - Structure Rehabilitation - Portage Avenue at Truro Creek $800,000 (Council December 15, 2010)	3-26	3,000	2,000	2,000	2,000	2,000	3,000	14,000

CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
Disraeli Bridge and Overpass Facility								
- Federal Gas Tax		6,100	13,800	19,800	19,800	19,800	19,800	99,100
- Encumbrance Toward Commissioning Payment		(6,100)	(6,100)					(12,200)
- Public Private Partnership Annual Service/Financing Payments			(7,700)	(19,800)	(19,800)	(19,800)	(19,800)	(86,900)
Total Disraeli Bridge and Overpass Facility	3-27							
Charleswood Bridge								
- Cash to Capital		1,478	1,478	1,478	1,478	1,478	1,478	8,868
- Public Private Partnership Lease Payments		(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(8,868)
Total Charleswood Bridge	3-29							
Total Waterway Crossings and Grade Separations		14,933	22,432	16,542	16,000	17,000	7,500	94,407
New Transportation Facilities								
Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd - First Charge on 2011 Capital Budget for Chief Peguis Trail right of way - Amber Trails Subdivision (Council July 21, 2010)								
- Public Private Partnership		21,200						21,200
- Cash to Capital		2,000	2,869	2,869	2,869	2,869	2,869	16,345
- PPP Canada Inc. - Federal Funding		22,300						22,300
- Federal Gas Tax		2,444	5,415	5,415	5,415	5,415	5,415	29,519
- Public Private Partnership Annual Service/Financing Payments		(2,444)	(8,284)	(8,284)	(8,284)	(8,284)	(8,284)	(43,864)
- External Debt		(11,300)						(11,300)
Total Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd	3-30	34,200						34,200
Waverley West Arterial Roads Project	3-32	3,400						3,400
Total New Transportation Facilities		37,600						37,600
Other Streets Projects								
Asset Management System - Various Divisions	3-34	492	549	405	405			1,851
Land Drainage Sewers - Regional / Local Streets	3-35	150	150	150	150	150	150	900
Land Acquisition - Transportation Right of Way	3-36	300	300	300	300	300	300	1,800
Sand / Salt Storage Facility	3-37		600					600
City-Wide Accessibility Program	3-38	350	350	350	350	350	350	2,100
Total Other Streets Projects		1,292	1,949	1,205	1,205	800	800	7,251
TOTAL STREETS PROJECTS		111,546	69,570	58,531	63,392	62,049	57,328	422,416

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CAPITAL PROJECTS SUMMARY *(in Thousands of $)*	**DETAIL PAGE NO.**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
		BUDGET	**FORECAST**					**2011-2016 6 YEAR TOTAL**
		2011	**2012**	**2013**	**2014**	**2015**	**2016**	
Parks and Open Space								
Reforestation - Improvements	3-39	383	387	383	383	383	383	2,302
Athletic Fields - Improvements	3-40	200		200	200	124	200	924
Parks - Improvements	3-41	712	617	677	653	655	655	3,969
Multi-Use Recreation Sites - Parking Lot Renewals	3-42	1,500						1,500
Regional & Community Parks - Buildings	3-43	1,150					2,150	3,300
Playground Structures	3-44	1,750	1,800	1,800	1,800	1,800	1,800	10,750
Hardsurface Upgrading (formerly Pathway/Roadway/Tennis Court Upgrading)	3-45			150	150		150	450
Boat Launch and Dock - Reconstruction	3-46	500						500
Community Park Amenities	3-47	1,500	1,500	1,500	1,500	1,500	1,500	9,000
Insect Control - Information System	3-48					1,250		1,250
Insect Control - Replace 3 Grey Street Operations Building	3-49					1,000		1,000
Total Parks and Open Space		7,695	4,304	4,710	4,686	6,712	6,838	34,945
TOTAL PUBLIC WORKS		119,241	73,874	63,241	68,078	68,761	64,166	457,361
LOCAL IMPROVEMENTS - Ongoing Program								
- Cash to Capital			450	450	450	450	450	2,250
- External Debt			2,550	2,550	2,550	2,550	2,550	12,750
TOTAL LOCAL IMPROVEMENTS	3-50		3,000	3,000	3,000	3,000	3,000	15,000

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		2011	2012	2013	2014	2015	2016	
COMMUNITY SERVICES								
Community Incentive Grant Program	3-51	1,508	1,538	1,569	1,600	1,632	1,665	9,512
Library Shelving and Furniture Replacement Program	3-52	200	200	200	200	200	200	1,200
Library Replacement - Various	3-53	1,000	5,500	4,000	2,000	3,000	5,000	20,500
Renovate and Refurbish Various Library Branches Program	3-54	500	500	1,000	800		500	3,300
Library Technology Upgrade and Replacement	3-55				500	500	500	1,500
Recreational Facility Safety & Accessibility Improvements	3-56		400	400	500	500	600	2,400
Library Signage, Safety and Accessibility	3-57		200	200	200	200	200	1,000
Business Application Systems	3-58			250				250
Recreation Equipment Program - New Facilities	3-59					400		400
Technology Upgrade and Replacement	3-60				250			250
Mobile Library Service Vehicle	3-61			650				650
Recreation Facility Replacement - Various	3-62		2,750			2,800	2,600	8,150
Recreation Refurbishment and Redevelopment	3-63	1,000	1,000				1,500	3,500
Assiniboine Park Conservancy (APC) - Upgrades and Improvements								
- Cash to Capital		4,021	5,123	5,123	5,123	5,123	5,123	29,636
- Proceeds from Glacial and Sand Gravel		1,102						1,102
Total Assiniboine Park Conservancy (APC) - Upgrades and Improvements	3-64	5,123	5,123	5,123	5,123	5,123	5,123	30,738
Assiniboine Park Conservancy (APC) - Capital Development Plan								
- Cash to Capital			4,500	4,500	4,500	4,500	4,500	22,500
- Proceeds from Glacial Sand and Gravel		4,500						4,500
Total Assiniboine Park Conservancy (APC) - Capital Development Plan	3-65	4,500	4,500	4,500	4,500	4,500	4,500	27,000
TOTAL COMMUNITY SERVICES		13,831	21,711	17,892	15,673	18,855	22,388	110,350

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		2011	2012	2013	2014	2015	2016	
WINNIPEG POLICE SERVICE								
Winnipeg Police Service Communications Systems	3-66		3,390					3,390
Automated Fingerprint Identification System (AFIS) Replacement	3-67	179		321				500
Mobile Laptops	3-68			1,200				1,200
Officer Mobile Video System	3-69					1,000		1,000
Radio Upgrade for Districts 3 and 4	3-70						500	500
Computer Assisted Dispatch	3-71					1,800		1,800
Police Division's Systems Upgrades	3-72				5,016	2,436	300	7,752
West Station Information Technology Requirements	3-74		500					500
North Station Information Technology Requirements	3-75			500				500
Aerial Support Unit								
- Interim Financing (Repayment)		(3,492)						(3,492)
- General Purpose Reserve		3,492						3,492
Total Aerial Support Unit	3-76							
Police Building Replacement								
- Cash to Capital		891	6,174	3,449	3,449	3,449	3,450	20,862
- Public Private Partnership Lease Payments		(891)	(2,074)	(3,449)	(3,449)	(3,449)	(3,450)	(16,762)
Total Police Building Replacement	3-77		4,100					4,100
Winnipeg Police Headquarters								
- Interim Financing (Repayment)		20,408			(29,935)			(9,527)
- Land Operating Reserve					29,935			29,935
- External Debt		78,952						78,952
Total Winnipeg Police Headquarters	3-78	99,360						99,360
Police Headquarters - Other								
- External Debt	3-79			10,903	11,199			22,102
TOTAL WINNIPEG POLICE SERVICE		99,539	7,990	12,924	16,215	5,236	800	142,704
FIRE PARAMEDIC SERVICE								
Facilities Replacement and Relocation Program	3-80			5,000	858	3,000	4,000	12,858
Replacement Radio System	3-81					2,000	4,000	6,000
TOTAL FIRE PARAMEDIC SERVICE				5,000	858	5,000	8,000	18,858

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		2011	2012	2013	2014	2015	2016	
PLANNING, PROPERTY AND DEVELOPMENT								
Computer Automation	3-82	200		200	200		200	800
Riverbank Greenway Programs	3-83	403	400	381	400	400	443	2,427
Cemeteries - Improvements								
- Cash to Capital		300	200	200	200	260	232	1,392
- Veterans Affairs Canada		100	100	100	100	100	100	600
Total Cemeteries - Improvements	3-84	400	300	300	300	360	332	1,992
Downtown Enhancement Program	3-85	400	400	400	400	400	400	2,400
Community and Neighborhood Main Streets (formerly Image Route Enhancements / Streetscaping)	3-86	400	400		400		400	1,600
Public Art Strategy	3-87	500	500	500	500	500	500	3,000
Land Acquisition for General Unspecified Purposes	3-89	300	300	300	300	300	300	1,800
Developer Payback	3-90	261	250	203	298		202	1,214
Riverbank Stabilization - Physical Asset Protection								
- Cash to Capital				1,000	1,000	1,000	1,000	4,000
- Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000					2,000
Total Riverbank Stabilization - Physical Asset Protection	3-91	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Building Communities Initiative II								
- Cash to Capital		1,000	1,000	1,000	1,000	1,250	1,050	6,300
- Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000	1,000	1,000	1,250	1,050	6,300
Total Building Communities Initiative II	3-93	2,000	2,000	2,000	2,000	2,500	2,100	12,600
TOTAL PLANNING, PROPERTY AND DEVELOPMENT		5,864	5,550	5,284	5,798	5,460	5,877	33,833

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		2011	2012	2013	2014	2015	2016	
MUNICIPAL ACCOMMODATIONS								
General Building Renovation and Refurbishing	3-94	500	500	500	500	500	500	3,000
Accommodation Facilities	3-95	1,100	1,100	2,200	1,830	2,100	1,820	10,150
Fire/Life Safety/Regulatory Upgrades	3-96	525	549	525	1,125	725	625	4,074
Energy Conservation	3-97		200	150	200	100	100	750
Civic Centre Car Park Tunnel	3-98		200				100	300
Tenant Improvement Prepayment - Major Department	3-99		500			200	200	900
Historic Buildings	3-100		200	200	200	200	200	1,000
Generator Set Replacement and Upgrades	3-101			800		200		1,000
Security/Building Automation System Initiatives	3-102	125	125	225	225	225	140	1,065
Community Centres - Refurbishing and Improvements - First Charge on 2011 Capital Budget for Expansion/Renovation of the Lindenwoods Community Centre, $410,000 (Council July 21, 2010)	3-103	910	500	500	700	700	700	4,010
Arenas	3-104	525	525	525	525	525	525	3,150
Indoor Aquatic Facilities	3-105	2,240	2,530	2,530	2,530	2,530	2,530	14,890
Outdoor Aquatic Facilities	3-106	350	350	350	330	330	350	2,060
Community Facilities	3-107	410	200	200	200	200	200	1,410
Building Asset / Work Management Program	3-108	100	100	100	200	200	162	862
UFF - Hockey Pen Light Standard Replacement	3-109	100	100	100	100	100	100	600
Recreation and Leisure Facilities								
- Cash to Capital		8,000						8,000
- General Purpose Reserve (Repayment)		(8,000)						(8,000)
Total Recreation and Leisure Facilities	3-110							
University of Winnipeg - Soccer Complex								
- Proceeds from Glacial Sand and Gravel	3-111	2,000						2,000
TOTAL MUNICIPAL ACCOMMODATIONS		8,885	7,679	8,905	8,665	8,835	8,252	51,221

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		BUDGET 2011	FORECAST 2012	2013	2014	2015	2016	2011-2016 6 YEAR TOTAL
CITY CLERKS								
Corporate Records Centre	3-112		150					150
Election Systems	3-113			150	200			350
City Archives	3-114	500	500	500	500	500		2,500
Manitoba Children's Museum Capital Renewal Project - General Purpose Reserve	3-115	100						100
Le Cercle Molière Theatre Facility - General Purpose Reserve	3-116	50						50
TOTAL CITY CLERKS		650	650	650	700	500		3,150
CORPORATE SUPPORT SERVICES								
Time and Labour	3-117	500						500
Consolidated Data Warehouse / Business Intelligence	3-118	925		169	153	218	203	1,668
Communications Network Infrastructure	3-119	638	593	277	541	566	553	3,168
Network Computing Initiatives	3-120	211	213	213	212	212	212	1,273
E-Government	3-121	310	467	629	655	603	573	3,237
PeopleSoft Upgrade	3-122	1,500	1,000	200				2,700
311 Renewal	3-123			300	646	729	335	2,010
Asset Management Program	3-124	200						200
TOTAL CORPORATE SUPPORT SERVICES		4,284	2,273	1,788	2,207	2,328	1,876	14,756
ASSESSMENT AND TAXATION								
Assessment Automation	3-125		500			750	500	1,750
OTHER PROJECTS								
Capital Investment Fund	3-126	7,899		150				8,049
Asset Management Initiative	3-127		100					100
TOTAL OTHER PROJECTS		7,899	100	150				8,149

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		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
TRANSIT								
Fare Collection System								
- Cash to Capital		4,639						4,639
- Manitoba Winnipeg Infrastructure Program (MWIP)		231						231
- Interim Financing (Repayment)		(2,500)						(2,500)
Total Fare Collection System	3-128	2,370						2,370
Innovative Transit Program	3-129		800	800	800	800	1,000	4,200
Transit Building Replacement / Refurbishment								
- Cash to Capital		1,413	2,929	4,820	5,689			14,851
- Federal Gas Tax/Interest		5,880	6,480	5,880	5,880	2,940	4,171	31,231
Total Transit Building Replacement / Refurbishment	3-130	7,293	9,409	10,700	11,569	2,940	4,171	46,082
Transit Buses								
- Cash to Capital		882	421	5,279	5,594	4,301	10,835	27,312
- Transit Bus Replacement Reserve		9,036	8,196	7,466	7,466	7,466	7,466	47,096
- Rapid Transit Infrastructure Reserve		4,242						4,242
- Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	23,040
- Federal Gas Tax						2,940	1,709	4,649
- Retained Earnings		350	2,043					2,393
Total Transit Buses	3-131	18,350	14,500	16,585	16,900	18,547	23,850	108,732
Asset Management Program								
- Cash to Capital			200					200
- Retained Earnings		100	100					200
Total Asset Management Program	3-132	100	300					400
TOTAL TRANSIT		28,113	25,009	28,085	29,269	22,287	29,021	161,784

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		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
WATER & WASTE - TAX SUPPORTED								
Land Drainage and Flood Control								
Financed by Cash to Capital:								
Stormwater Retention Basin Rehabilitation	3-133	200		400		400		1,000
Flood Pumping Station Rehabilitation	3-134	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Land Drainage and Combined Sewers Outfall Gate Structures	3-135	1,350		1,100		1,500	1,500	5,450
Floodplain Management	3-136	100	200		100		100	500
Seine River Waterway Acquisition	3-137	150	150	150	150	150	150	900
Primary Dike Upgrading	3-138	1,348	1,890	300	948	900	1,000	6,386
Land Drainage Safety Upgrading Program	3-139		100		100			200
Land Drainage Asset Management Strategy	3-140			200				200
Land Drainage Utility Study and Implementation	3-141			500				500
Permanent Flood Pumping Stations	3-142		250					250
Flood Manual Upgrades	3-143				900	500		1,400
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-144	100	100	100	100			400
Outfall Rehabilitation	3-145	1,550	1,750	1,300	1,200	1,200	1,508	8,508
Financed by Sewer System Rehabilitation Reserve:								
Combined Sewer Flood Relief	3-146		4,000	11,000	10,000	10,000	10,000	45,000
Flood Relief Sewers - Separate	3-147	300	300	300	300	300	300	1,800
Financed by Developer Capacity Charges:								
Development Agreement Paybacks	3-148		500	500	500	500	500	2,500
Fernbank Avenue Land Drainage Sewer	3-149			875				875
TOTAL WATER AND WASTE - TAX SUPPORTED		6,098	10,240	17,725	15,298	16,450	16,058	81,869

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		BUDGET	FORECAST					2011-2016 6 YEAR TOTAL
		2011	2012	2013	2014	2015	2016	
WATER WORKS SYSTEM								
Financed by Waterworks Retained Earnings:								
Saskatchewan Avenue Watermain	3-150			3,900				3,900
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-151	1,800	2,900					4,700
Shoal Lake Intake Chloramination Facility	3-152		2,000					2,000
General Water Infrastructure Rehabilitation	3-153		300	300	500	500	1,000	2,600
Waverley West Feedermain	3-154			6,800				6,800
Feedermain Condition Assessment and Rehabilitation	3-155	500	500	500	1,000	1,000	1,000	4,500
Water Utility Asset Management Strategy	3-156		200					200
Water Supply Valve Installation / Replacement Program	3-157	750	750	750	750	750	750	4,500
Hurst Pumping Station Building - Structural Repairs	3-158	900						900
Chlorination Decommission at Regional Pump Stations	3-159		115					115
Deacon Chemical Feed Facility Upgrading	3-160	1,000						1,000
Regional Pumping Stations Structural Upgrades	3-161		500					500
Wilkes Reservoir "B" Pit Upgrades/Rehabilitation	3-162	600						600
Regional Pumping Stations Reliability Upgrades	3-163	1,000	1,000	1,000	1,000			4,000
Waterworks System Security Upgrades	3-164	850	500	500	500	500	150	3,000
Regulatory Assessment of Water System Infrastructure and Water Supply Sources	3-165				610			610
Shoal Lake Aqueduct Asset Preservation	3-166	700	1,300			1,000	1,000	4,000
Aqueduct Bridging Structure at Deacon	3-167	600						600
Deacon Reservoir Cell Rehabilitation Project (formerly Deacon Reservoir Box Culvert Rehabilitation and Embankment Repairs)	3-168	1,400	750					2,150
Deacon Booster Pumping Station Suction Header Divider Valve	3-169	1,200						1,200
Foundation Drainage Improvements for Deacon Booster Pumping Station	3-170	250						250
Water Works By-law 504/73 Revision	3-171	175						175
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-172	110						110
Deacon Site Flood Protection	3-173		500					500
Tache Booster Pumping Station	3-174		500	3,000	1,800			5,300
Water Treatment Research and Process Optimization Facility	3-175	100	650					750
Branch Aqueduct Condition Assessment and Rehabilitation	3-176		500	500	1,000			2,000
Water Services Division Operations Accreditation	3-177			500				500
Water Treatment Plant Upgrading	3-178						10,000	10,000
Ultraviolet Light Disinfection Upgrade/Rehabilitation	3-179						4,000	4,000
Water Service Line Asset Management and Rehabilitation Strategy	3-180			500	500	550	550	2,100

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		2011	2012	2013	2014	2015	2016	
WATER WORKS SYSTEM (continued)								
Aqueduct Information Management System	3-181			200				200
McPhillips Reservoir Slope Stabilization	3-182			120				120
Public Water Outlets	3-183				500			500
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-184	1,680						1,680
Meter Infrastructure Program	3-185	355	2,520					2,875
Customer Service Upgrade to Telephony Communications System	3-186	100						100
Total Financed by Waterworks Retained Earnings		14,070	15,485	18,570	8,160	4,300	18,450	79,035
Watermain Renewals - Watermain Renewal Reserve	3-187	13,500	14,000	15,000	16,000	17,000	17,000	92,500
TOTAL WATERWORKS SYSTEM (Utility Supported)		27,570	29,485	33,570	24,160	21,300	35,450	171,535
SEWAGE DISPOSAL SYSTEM								
Sewage Disposal System - Regional								
Financed by Sewage Disposal System Retained Earnings:								
Lift Stations Upgrading	3-188	2,000	2,000	750	750	750	750	7,000
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-189			500	500	3,000		4,000
Sewer System Isolation in Areas Protected by Secondary Dikes	3-190	500	1,000	1,000				2,500
Raw Sewage Pump Replacement - NEWPCC	3-191	5,450			9,300			14,750
Upgrading External Power Supply - NEWPCC	3-192	1,000	5,000	4,000			15,000	25,000
Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres	3-193	2,800	3,000					5,800
Re-Roofing at Water Pollution Control Centres	3-194	400		400		400		1,200
Centrifuge Replacement - NEWPCC	3-195		1,500	8,000				9,500
River Crossings Monitoring and Rehabilitation	3-196	1,300	1,300	1,300	1,300	1,300	1,300	7,800
Water Pollution Control Centre Reliability Upgrades	3-197			5,000	5,000	5,000	5,000	20,000
Wastewater System Security Upgrades	3-198		500	500	500	500	500	2,500
Traffic Safety Upgrades - NEWPCC	3-199			2,450				2,450
Holding Tanks Restoration - NEWPCC	3-200	2,550		2,550				5,100
Primary Clarifier Covers - NEWPCC	3-201			500		25,000		25,500
Wastewater Utility Asset Management Strategy	3-202			200				200
New Discharge Chamber - NEWPCC	3-203			5,000	10,000			15,000
New Surgewell - NEWPCC	3-204		4,000	9,000				13,000
Grit Handling Upgrades - NEWPCC	3-205		2,400	4,900	6,600		5,000	18,900
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development (formerly Cockburn & Jesse Lift Stations Upgrades to Facilitate Fort Rouge Yards Development)	3-206	300	2,000					2,300

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		2011	2012	2013	2014	2015	2016	
SEWAGE DISPOSAL SYSTEM (continued)								
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-207	110						110
Fernbank Interceptor	3-208						8,000	8,000
Warde Interceptor Extension	3-209						3,200	3,200
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-210	1,680						1,680
Sewer Service Line Asset Management and Rehabilitation Strategy	3-211				500	500	550	1,550
Digester Rehabilitation Project - NEWPCC	3-212	5,000	1,000	1,000	1,000	1,000		9,000
Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollution Control Centres (WPCCs)	3-213	3,000	1,000	1,000				5,000
Grit Tank Refurbishment - SEWPCC	3-214	250						250
Centralized Facilities Renovation	3-215	150						150
552 Plinguet Wastewater Services Garage Structural Rehabilitation	3-216	400						400
Customer Service Upgrade to Telephony Communications System	3-217	100						100
Secondary Clarifier Refurbishment - NEWPCC	3-218	100	300	300	300			1,000
Total Financed by Sewage Disposal Retained Earnings		27,090	25,000	48,350	35,750	37,450	39,300	212,940
Environmental Impact Statement and Public Hearings								
- Environmental Reserve	3-219	200	200	100	100	100		700
Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation								
- Environmental Reserve	3-220	4,100	16,200	17,200	16,200	16,200	17,200	87,100
Biosolids - Alternative Disposal Delivery & Management System								
- Environmental Reserve		3,000	9,149	3,459	5,020	5,023		25,651
- External Debt			7,851	46,541	44,980	24,977		124,349
Total Biosolids - Alternative Disposal Delivery & Management System	3-221	3,000	17,000	50,000	50,000	30,000		150,000
Nutrient Removal - NEWPCC								
- External Debt	3-222		150,000	150,000	65,000			365,000
Total Sewage Disposal System - Regional		34,390	208,400	265,650	167,050	83,750	56,500	815,740
Sewer Renewal								
- Sewer System Rehabilitation Reserve	3-223	13,200	13,900	14,600	15,300	16,100	16,900	90,000
TOTAL SEWAGE DISPOSAL SYSTEM		47,590	222,300	280,250	182,350	99,850	73,400	905,740

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		2011	2012	2013	2014	2015	2016	
SOLID WASTE DISPOSAL SYSTEM								
Summit Landfill Closure / Post-Closure								
- Retained Earnings	3-224	400	400	400				1,200
Miscellaneous Land Acquisition								
- Retained Earnings	3-225				200			200
Landfill Cell Excavation								
- Retained Earnings	3-226			1,300	1,330	1,370	1,410	5,410
Summit Landfill Leachate Collection Assessment								
- Retained Earnings	3-227		200					200
Closed Landfills Disposition Study								
- Retained Earnings	3-228		200					200
Provision for Implementation of the Waste Management Strategy								
- External Debt	3-229		23,500	2,000				25,500
TOTAL SOLID WASTE DISPOSAL SYSTEM		400	24,300	3,700	1,530	1,370	1,410	32,710
SPECIAL OPERATING AGENCIES								
WINNIPEG GOLF SERVICES								
Golf Course Improvements								
- Cash to Capital		(23)	(23)	(23)	(23)	(23)		(115)
- Golf Course Reserve		173	173	23	23	23		415
TOTAL WINNIPEG GOLF SERVICES	3-230	150	150					300
TOTAL SPECIAL OPERATING AGENCIES		150	150					300

Winnipeg

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The City of Winnipeg

Capital Projects Detail

2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

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Notes:

1. Capital budget amounts are estimates only and are subject to materials management policy (e.g. tenders, bids, and contract awards including Pubiic Private Partnership proposals).

2. In the attached Capital Projects Listing, tax supported capital projects are financed by cash to capital unless another funding source is disclosed for the project. In addition, the Manitoba Winnipeg Infrastructure Program and Provincial funding for Road Improvements financing amounts are not all allocated to individual capital projects. These unallocated financing amounts will offset cash to capital requirements.

3. The Public Service uses the Association for the Advancement of Cost Engineering (AACE) International Classification system for capital budget estimate purposes for all non-scalable projects. Capital estimates for non-scalable projects contained in this budget document are supported by a class 4 or 5 estimate, unless specifically noted.

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Project Name: **Recreational Walkways and Bike Paths - Various Locations**

Department: Public Works
Project: 183200XX11
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,000	500	500	500	500	500	2,500	3,500
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000
Provincial Funding for Road Improvements	3,700	500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	925	500	500	500	500	500	75	3,500
Financed by:								
Cash to Capital	425	500	500	500	500	500	75	3,000
Provincial Funding for Road Improvements	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	56	30	30
Less:			
Operating expenditures increase/(decrease)	5	8	10
Debt and finance charges increase		40	88
SURPLUS/(DEFICIT)	51	(18)	(68)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Program for the construction of new recreational walkways and bike paths facilities where no walkway or cycle facility presently exists, and where the provision of such a facility is warranted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **New Regional Sidewalks**

Department: Public Works
Project: 183200XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	250	250	250	250	250	250	1,250	1,500
Financed by:									
Cash to Capital		250	250	250	250	250	250	1,250	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	213	250	250	250	250	250	37	1,500
Financed by:								
Cash to Capital	213	250	250	250	250	250	37	1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	13	15	15
Less:			
Operating expenditures increase/(decrease)	1	2	3
Debt and finance charges increase		20	44
SURPLUS/(DEFICIT)	12	(7)	(32)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Annual program for the construction of new sidewalks on regional streets where none presently exist and where provision is warranted.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Active Transportation Corridors**

Department: Public Works
Project: 183200XX11
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	425	500	500	500	500	500	75	3,000
Financed by:								
Cash to Capital	425	500	500	500	500	500	75	3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	26	30	30
Less:			
Operating expenditures increase/(decrease)	133	266	399
Debt and finance charges increase		40	88
SURPLUS/(DEFICIT)	(107)	(276)	(457)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Marking of "sharrows" symbol on the road and associated signage.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Active Transportation Project - Infrastructure Stimu!us Fund**

Department: Public Works
Project: 183200XX10

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	20,413	2,958	-	-	-	-	-	-	2,958
Financed by:									
Cash to Capital	6,805							-	-
Provincial Government Funding	6,804							-	-
Infrastructure Stimulus Fund	6,804							-	-
Transfer from Departmental Non-specified Capital Account		2,000						-	2,000
Transfer from Kenaston Underpass Project		958						-	958

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,514	444	-	-	-	-	-	2,958
Financed by:								
Transfer from Departmental Non-specified Capital Account	1,700	300						2,000
Transfer from Kenaston Underpass Project	814	144						958

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	50	9	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		239	282
SURPLUS/(DEFICIT)	50	(230)	(282)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

To complete the projects for the joint Federal-Provincial-City investments to Winnipeg's Active Transportation facilities as approved by Council on December 15, 2010.

Project Name: **Traffic Signals Enhancement**

Department: Public Works
Project: 183400XX11
Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	7,400	2,300	2,300	-	-	-	-	2,300	4,600
Financed by:									
Cash to Capital		2,300	2,300					2,300	4,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,955	2,300	345	-	-	-	-	4,600
Financed by:								
Cash to Capital	1,955	2,300	345					4,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	117	138	21
Less:			
Operating expenditures increase/(decrease)	10	20	30
Debt and finance charges increase		186	405
SURPLUS/(DEFICIT)	107	(68)	(414)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A program whose main goal is to improve the movement of people and goods using the transportation system by improving the coordination of traffic signals along major corridors in the City.

- Increases existing system capacity by providing full monitoring capability of local controller operations.
- Provides a multi-protocol communications system that allows for the use of the existing field equipment as well as for the future procurement of different controller types from different manufacturers.
- Provides capacity for future system expansion.
- Upgrades remaining electro-mechanical signal controllers to full electronic technology.
- Minimizes on-going communications costs by using standard low speed communications circuits (both wireline and wireless) with up to 32 intersections per circuit, and maximizing the use of local intersection control equipment for both local and coordinated operations (and as a backup in the event of a communications failure).

Project Name: **Developer Payback - Various Locations**

Department:	Public Works	Capital Priority Rating:	2 - 3
Project:	180700xx11	Service:	Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,600	9,000	2,000	-	-	-	11,000	13,600
Financed by:									
Cash to Capital		2,305	9,000	2,000				11,000	13,305
Developer Funding		295						-	295

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,600	9,000	2,000	-	-	-	-	13,600
Financed by:								
Cash to Capital	2,305	9,000	2,000					13,305
Developer Funding	295							295

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	78	270	60
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		219	1,076
SURPLUS/(DEFICIT)	78	51	(1,016)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A development agreement payback is the required funding to enable the City to fulfill a Council approved contractual obligation for certain works constructed by the developer within the right-of-way.

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
Lagimodiere Boulevard & Warde Avenue intersection	500						500
Waverley Street twinning Tim Sale to northern limit of Ladco property	2,100						2,100
Plessis Road twinning		9,000					9,000
Bison Drive & Waverley Street intersection			2,000				2,000
	2,600	9,000	2,000	-	-	-	13,600

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Supported by class estimates ranging from 1 to 4, see Appendix # 2.

Project Name: **Tuxedo Yards Development**

Department: Public Works
Project: 18xxxxxxxx

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	2,667	3,117	3,166	-	700	1,100	1,600	6,566	9,683
Financed by:									
Economic Development Investment Reserve		450	500		700	1,100	1,600	3,900	4,350
Provincial Government Funding	2,667	2,667	2,666					2,666	5,333

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,117	3,166	-	700	1,100	1,600	12,361	22,044
Financed by:								
Economic Development Investment Reserve	450	500		700	1,100	1,600	12,361	16,711
Provincial Government Funding	2,667	2,666						5,333

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9		
Less:			
Operating expenditures increase/(decrease)	70	90	90
Debt and finance charges increase		29	29
SURPLUS/(DEFICIT)	(61)	(119)	(119)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On March 25, 2009, Council approved the recommendations contained in the "Tuxedo Yards Redevelopment" report and directed the Public Service to enter into a Strategic Economic Agreement with the Developer for the development of 1.5 million square feet of mixed-use commercial development at the southwest and northwest quadrants of Sterling Lyon Parkway and Kenaston Boulevard. Pursuant to this Agreement, the Developer is responsible for the financing of all costs (estimated total of $26.5 million) of off-site infrastructure and servicing, any acquisitions of land required and of relocating Manitoba Hydro services located in City right-of-ways. Further, the Developer is entitled to recover from the City $14 million of such costs (plus interest) subject to the conditions outlined in the Strategic Economic Agreement.

The Agreement also includes provisions regarding the responsibility of the Developer for the acquisition of certain lands (to a maximum of $450,000) and the construction and/or modification of certain railway crossings (to a maximum of $500,000). The Agreement provides that these costs will be funded by the City of Winnipeg and deducted from the $14 million entitled to be recovered by the Developer.

On September 14, 2009, the City of Winnipeg (City) and the Province of Manitoba (Province) entered into the "Manitoba - Winnipeg Offsite Infrastructure Funding Agreement" whereby the Province will provide $8 million in funding, payable in equal instalments from 2010 to 2012, to the City. The City will in turn pay the Developer the equivalent amount upon receipt of payment from the Province.

Amounts budgeted from 2014 onward represent repayment to the Developer of the $14 million City contribution plus interest and are equivalent to estimated incremental municipal realty taxes to be generated by the development.

Project Name: **Kenaston Boulevard - Academy Road to Taylor Avenue**

Department: Public Works
Project: 1803000601

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

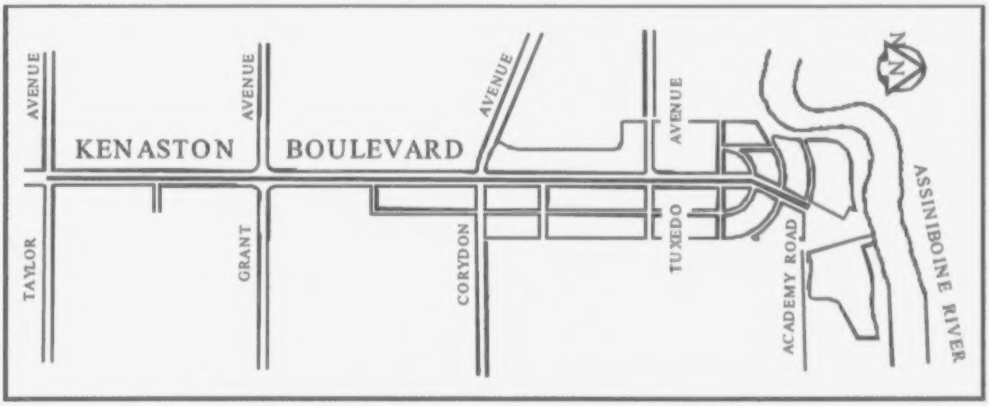
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,900	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	85	100	100	100	100	100	15	600
Financed by:								
Cash to Capital	85	100	100	100	100	100	15	600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	5	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		8	18
SURPLUS/(DEFICIT)	5	(2)	(12)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The estimate includes funding for the provision of maintenance of the roadway until the facility is reconstructed. On April 19, 1995, Council approved the expenditure of $100,000 annually until the construction of the permanent rehabilitation.



Project Name: **Traffic Engineering Improvements - Various Locations**

Department: Public Works
Project: 183100xx11

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	1,950	1,050	1,150	1,250	1,250	1,250	5,950	7,900
Financed by:									
Cash to Capital		1,950	1,050	1,150	1,250	1,250	1,250	5,950	7,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,658	1,185	1,135	1,235	1,250	1,250	187	7,900
Financed by:								
Cash to Capital	1,658	1,185	1,135	1,235	1,250	1,250	187	7,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	99	71	68
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		158	271
SURPLUS/(DEFICIT)	99	(87)	(203)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an annual program which includes city-wide installation of:

- new traffic control signals and pedestrian corridors,
- audible pedestrian signals,
- roadside safety improvements,
- traffic calming measures,
- miscellaneous geometric improvements,
- traffic sign replacements,
- railway crossing safety improvements,
- traffic signals system enhancement program.

Funding in 2011 will allow for the completion of a number of high priority intersection geometric improvements.

On July 21, 2010 Council approved a first call on the 2011 Budget in the amount of $111,300 for the replacement of the pedestrian corridor at Osborne and Wardlaw with a half signal.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Regional and Local Streets**

Department: Public Works
Project: 180400xx11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	42,946	28,323	36,284	42,887	40,549	44,828	192,871	235,817
Financed by:									
Cash to Capital		13,570	5,968	19,929	26,532	24,194	28,473	105,096	118,666
Interim Financing (Repayment)		(4,150)						-	(4,150)
Federal Gas Tax		26,026	15,355	9,355	9,355	9,355	9,355	52,775	78,801
Provincial Building Manitoba Fund - Roads		7,000	7,000	7,000	7,000	7,000	7,000	35,000	42,000
Provincial Funding for Road Improvements		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	40,911	29,463	34,190	41,897	40,900	44,186	4,270	235,817
Financed by:								
Cash to Capital	11,535	7,108	17,835	25,542	24,545	27,831	4,270	118,666
Interim Financing (Repayment)	(4,150)							(4,150)
Federal Gas Tax	26,026	15,355	9,355	9,355	9,355	9,355		78,801
Provincial Building Manitoba Fund - Roads	7,000	7,000	7,000	7,000	7,000	7,000		42,000
Provincial Funding for Road Improvements	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	2,455	1,768	2,051
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		703	1,380
SURPLUS/(DEFICIT)	2,455	1,065	671

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Regional and Local Streets program includes the renewal and reconstruction of the City's streets, sidewalks, lanes, and recreational walkways/paths. The purpose of this program is to maintain the level of service, structural integrity, and rideability of the transportation infrastructure network.

On February 22, 2011, Council approved that up to $1 million in funding be allocated each year from the $3 million Granular Roadway Improvements project account for sub-cutting and adding gravel to unimproved gravel back-lanes in need of repair.

See next page for program details.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

PUBLIC WORKS - GENERAL CAPITAL FUND

Future projects in Regional and Local Street Renewals	Authorization						
Program includes the following (all figures in 000's):	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**Total**
Regional Sidewalk and Curb Renewals:							
Sidewalk and Curb Renewals - Regional Streets	500	500	500	500	500	500	3,000
Sidewalk and Curb Renewals - Downtown Regional Streets	500	500	500	500	500	500	3,000
Regional Paving of Granular Shoulders:							
Paving of Granular Shoulders - Regional Streets	250	250	250	250	250	250	1,500
Regional Accessibility Improvements:							
Detectable Warning Surface Tiles - Regional Streets	100	100	100	100	100	100	600
Regional Major Rehabilitation Works:							
Corydon Avenue - Cambridge Street to Kenaston Boulevard	600	700	500	500	500	500	3,300
Logan Avenue - Trinity to McPhillips	4,410						4,410
King Edward SB - Dublin to Saskatchewan	1,840						1,840
Dugald Road WB - Plessis to Mazenod	2,120						2,120
Bison Drive and Pembina Hwy - Intersection Improvements	3,710						3,710
Dugald Road WB - Mazenod to Lagimodiere		2,100					2,100
Fort Street - Graham to Portage		1,200					1,200
Pembina Hwy SB - University Cres. to Markham Rd.			5,150				5,150
Ness Ave. - 150 meters west of Conway to Whytewold Rd.			3,000				3,000
St James St. - Sargent to Wellington			1,380				1,380
McGillivray EB - Irene to Pembina			1,640				1,640
Regional Mill and Fill Rehabilitation Works:							
Mc Phillips St NB - Notre Dame to Logan	580						580
Route 90 NB - Dublin to Pacific	720						720
Pembina Hwy NB - Bishop Grandin to Crescent Drive	2,720						2,720
Portage Ave WB - Cavalier to David	460						460
Portage Ave EB - Woodhaven to Lake	495						495
Portage Ave EB - Sharp to Woodlawn	230						230
St. Anne's Rd NB - Beliveau to Fermor	775						775
Keewatin St SB - Selkirk to Hekla	130						130
St. Mary's Road - Eugenie to Tache		350					350
Portage Ave WB - Aldine to Sturgeon		885					885
Mc Phillips St SB - Logan to Notre Dame		670					670
Lagimodiere Blvd NB - Fermor to Cottonwood		950					950
Century St NB - Wellington to Saskatchewan		375					375
McPhillips St NB - Selkirk to Redwood			460				460
McPhillips St SB - Redwood to Selkirk			460				460
St Anne's Rd - Fermor to Lavalee			975				975
Lagimodiere Blvd NB - Cottonwood to Maginot			1,250				1,250
Main St SB - Smithfield to Inkster			370				370
Regional Street Renewals - Annual Program - Various locations to be identified.	6	93	99	21,387	19,049	23,328	63,962
Granular Roadway Improvements	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Lane Renewals - Various Locations	2,750	2,750	2,750	2,750	2,750	2,750	16,500
Sidewalk Renewals on Local Streets - Various Locations	400	400	400	400	400	400	2,400
Local Street Renewals - Various Locations	12,000	10,000	10,000	10,000	10,000	10,000	62,000
Local Thin Bituminous Overlay (TBO)	2,000	3,000	3,000	3,000	3,000	3,000	17,000
Recreational Walkways and Bike Pathway Renewals	950	500	500	500	500	500	3,450
Grassie Boulevard and Molson Street - Roundabout	1,700						1,700
Total Regional and Local Streets Program	**42,946**	**28,323**	**36,284**	**42,887**	**40,549**	**44,828**	**235,817**

Note: Any surplus funds will automatically be transferred to the following years Regional and Local Streets Program Budget.

Project Name: **Sturgeon Road Bridge (Sturgeon Creek)**

Department: Public Works
Project: 1805000210

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

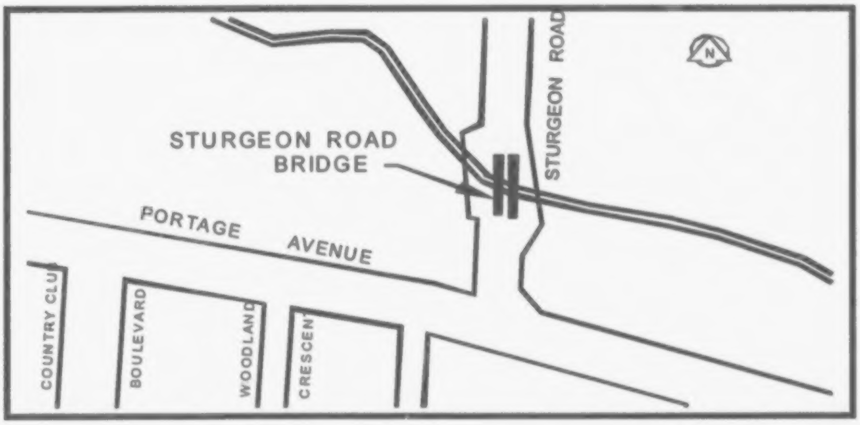
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	1,000	533	11,477	-	-	-	-	11,477	12,010
Financed by:									
Cash to Capital	500	266	5,744					5,744	6,010
Provincial Funding for Road Improvements	500	267	5,733					5,733	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	453	9,835	1,722	-	-	-	-	12,010
Financed by:								
Cash to Capital	226	4,922	862					6,010
Provincial Funding for Road Improvements	227	4,913	860					6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	27	590	103
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		43	979
SURPLUS/(DEFICIT)	27	547	(876)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Construct a new bridge to replace existing deteriorated structure. The new structure will eliminate truck load restrictions and allow for a linear pedestrian pathway along Sturgeon Creek underneath the bridge. Preliminary engineering design in 2010 (previous budgets), detailed design in 2011, with construction in 2012.



Project Name: **Osborne Street Bridge (Assiniboine River)**

Department: Public Works
Project: 1805000209

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013	2014	2015	2016		
Project Costs ($000's)	1,355	10,100	7,255	-	-	-	-	7,255	17,355
Financed by:									
Cash to Capital	677	6,712	4,121					4,121	10,833
Provincial Funding for Road Improvements	678	3,388	3,134					3,134	6,522

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	9,093	7,644	618	-	-	-	-	17,355
Financed by:								
Cash to Capital	5,705	4,510	618					10,833
Provincial Funding for Road Improvements	3,388	3,134						6,522

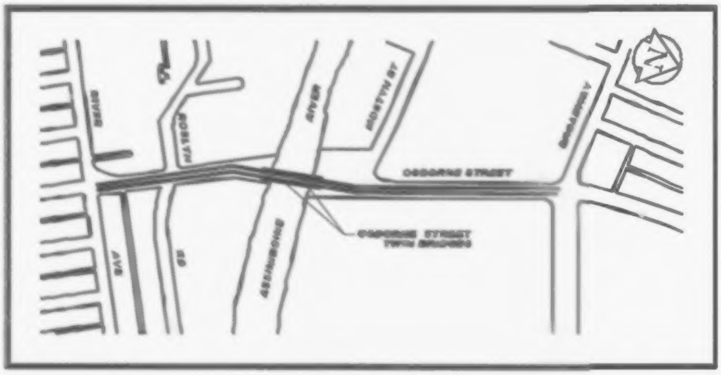
NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	546	459	37
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		543	972
SURPLUS/(DEFICIT)	546	(84)	(935)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full rehabilitation of the bridge including roadside safety improvements, rehabilition and widening of roadway from River to Broadway, with active transportation facilities. Preliminary engineering design in 2009, detailed engineering design in 2010 with construction over a two-year period in 2011 and 2012.

On January 26, 2011, Council approved a first charge on the 2011 Capital Budget in the amount of $10,100,000 and a first charge on the 2012 Capital Budget in the amount of $7,255,000.

** Supported by class estimate 3, see Appendix # 2.



Project Name: **Waverley Street / CN Mainline Grade Separation**

Department: Public Works
Project: 180500xx12
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

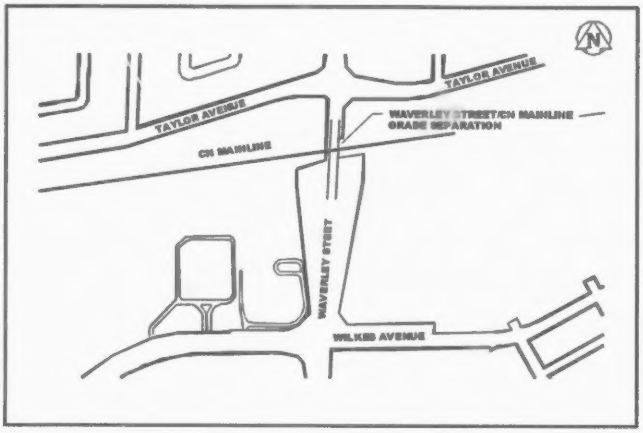
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	1,000	-	-	-	-	1,000	1,000
Financed by:									
Cash to Capital			1,000					1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	850	150	-	-	-	-	1,000
Financed by:								
Cash to Capital		850	150					1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		51	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			81
SURPLUS/(DEFICIT)	-	51	(72)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2012 - Includes conceptual engineering, study, and public consultation.


N
TAYLOR AVENUE
TAYLOR AVENUE
WAVERLEY STREET/CN MAINLINE GRADE SEPARATION
CN MAINLINE
WAVERLEY STEET
WILKES AVENUE

Project Name: **Louise Bridge (Red River)**

Department: Public Works
Project: 180500xx13
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

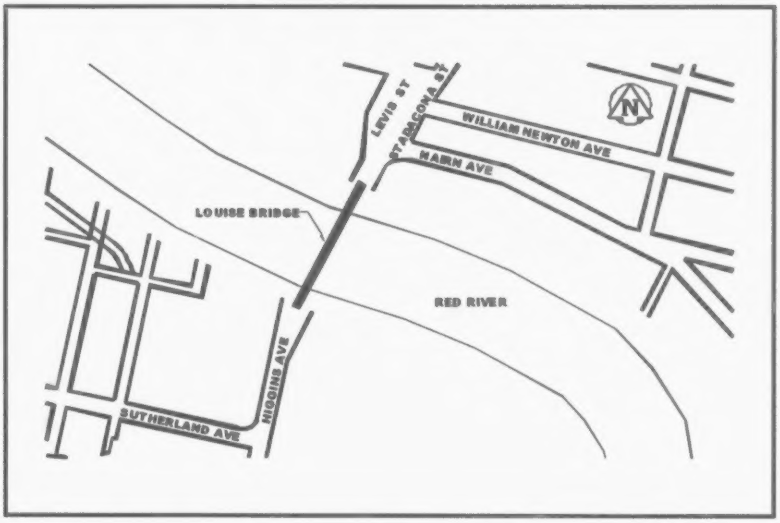
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	2,581	-	2,000	-	4,581	4,581
Financed by:									
Cash to Capital				2,581		2,000		4,581	4,581

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,194	387	1,700	300	-	4,581
Financed by:								
Cash to Capital			2,194	387	1,700	300		4,581

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			132
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	132

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2013 - Project budget shown is to undertake conceptual design, preliminary design, public consultation, and property acquisition. 2015 - Engineering detailed design. Options for the potential rehabilitation or replacement will be considered. If a new four lane replacement bridge on its current alignment is required the total estimated project budget is $100,000,000 assuming construction is undertaken in 2016 and 2017.



Project Name: **CPR Yards Functional Crossing Study - between McPhillips Street and Main Street**

Department: Public Works
Project: 180500xxx13

Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,500	-	-	-	1,500	1,500
Financed by:									
Cash to Capital				1,500				1,500	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,500	-	-	-	-	1,500
Financed by:								
Cash to Capital			1,500					1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			90
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	90

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Arlington Street Overpass is nearing the end of its useable service life. Within 10 years the Overpass will have to be replaced, undergo major reconstruction or be decommissioned with enhancements to other routes. The purpose of this study is to develop a cost effective functional plan to be implemented within the 10-year time frame. The study will include transportation planning, structural evaluation, conceptual design and public consultation. Budget allocation is based on a Class 4 estimate.

Project Name: **Fermor Avenue Bridge (Seine River)**

Department: Public Works
Project: 180500xx16

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

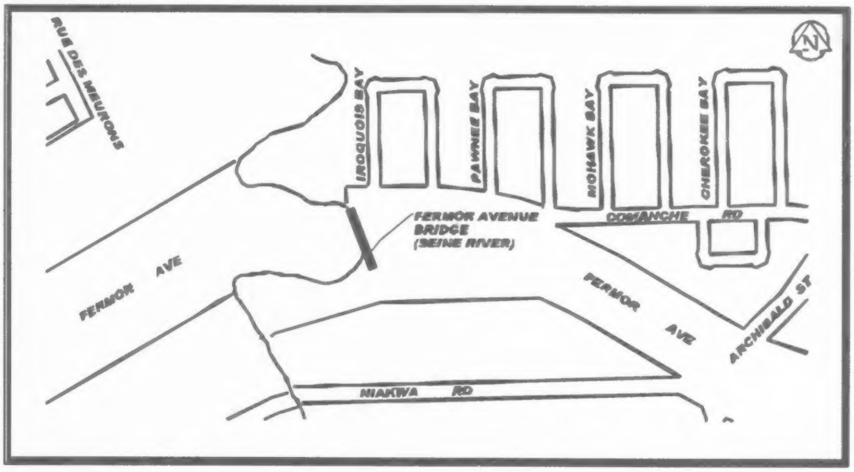
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	500	500	500
Financed by:									
Cash to Capital							500	500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	425	75	500
Financed by:								
Cash to Capital						425	75	500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Bridge rehabilitation with preliminary design in 2016, detailed design in 2017 and construction in 2018.


RUE DES MEURONS
IROQUOIS BAY
PAWNEE BAY
MOHAWK BAY
CHEROKEE BAY
N
FERMOR AVENUE BRIDGE (SEINE RIVER)
COMANCHE RD
FERMOR AVE
FERMOR AVE
ARCHIBALD ST
NIAKWA RD

Project Name: **Saskatchewan Avenue Culvert (Sturgeon Creek)**

Department: Public Works
Project: 180500xx16

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

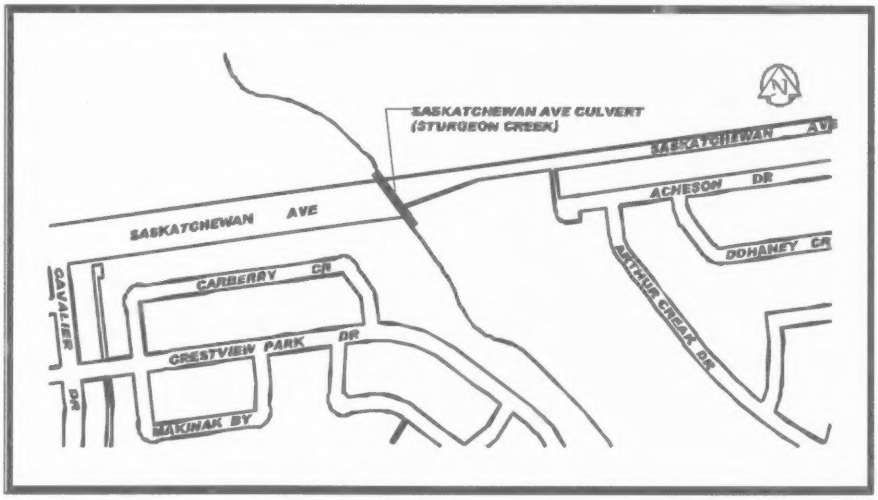
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	1,000	1,000	1,000
Financed by:									
Cash to Capital							1,000	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	850	150	1,000
Financed by:								
Cash to Capital						850	150	1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replace existing culvert structure with a new bridge. Undertake preliminary engineering in 2016, detailed engineering in 2017, and construction in 2018.


SASKATCHEWAN AVE CULVERT
(STURGEON CREEK)
SASKATCHEWAN AVE
SASKATCHEWAN AVE
ACHESON DR
DOHANEY CR
ARTHUR CREEK DR
CARBERRY CR
CRESTVIEW PARK DR
MAKINAK BY
CAVALIER DR
N

Project Name: **Pembina Highway Underpass**

Department: Public Works
Project: 180500xx11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

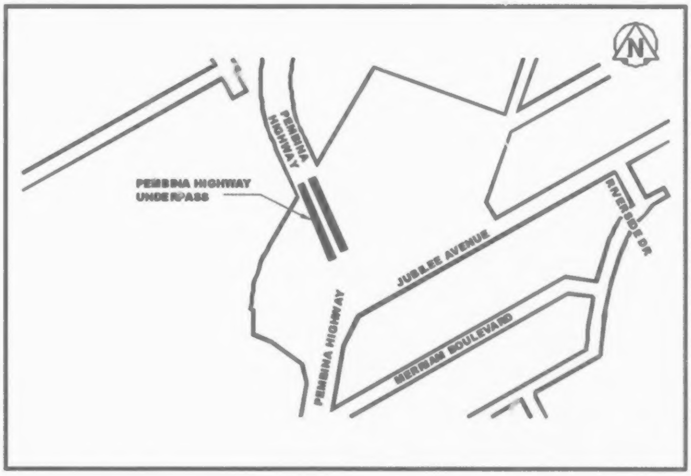
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,300	-	7,000	6,000	-	-	13,000	14,300
Financed by:									
Cash to Capital		650		3,500	3,150			6,650	7,300
Provincial Funding for Road Improvements		650		3,500	2,850			6,350	7,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,203	98	6,475	6,053	471	-	-	14,300
Financed by:								
Cash to Capital	553	98	2,975	3,203	471			7,300
Provincial Funding for Road Improvements	650		3,500	2,850				7,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	72	6	389
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		53	62
SURPLUS/(DEFICIT)	72	(47)	327

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Preliminary engineering in 2011. 2013 & 2014 - Widen northbound to 3 lanes. Construct pedestrian/active transportation access through the CN Rail Embankment. Improve land drainage/pumping and reconstruct pavement in both directions.



Project Name: **St. James Street Bridge (Omand's Creek)**

Department: Public Works
Project: 180500xx12

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

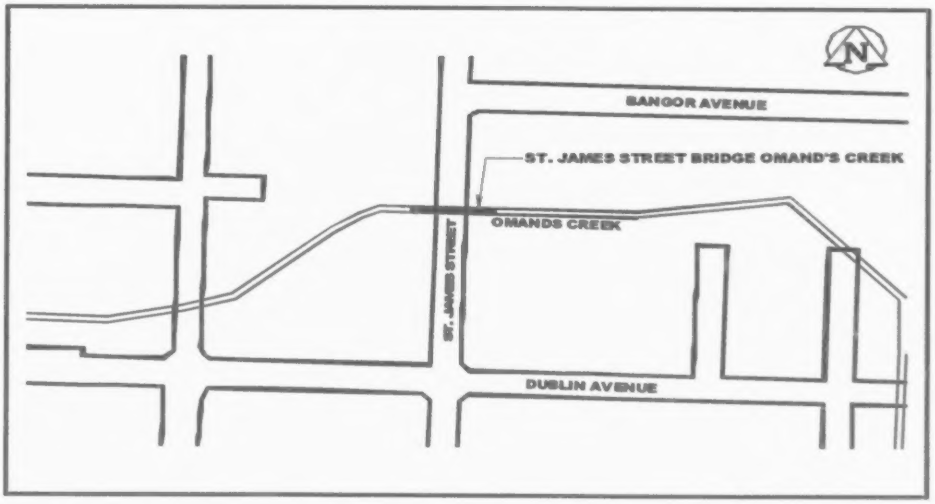
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	200	1,961	-	-	-	2,161	2,161
Financed by:									
Cash to Capital			200	1,961				2,161	2,161

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	170	1,697	294	-	-	-	2,161
Financed by:								
Cash to Capital		170	1,697	294				2,161

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		10	102
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
SURPLUS/(DEFICIT)	-	10	86

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2012 - Preliminary engineering design. 2013 - Detailed design and construction to undertake full rehabilitation and safety improvements.



Project Name: **Ness Avenue Culvert (Sturgeon Creek)**

Department:	Public Works	Capital Priority Rating:	3 - 4
Project:	180500xx13	Service:	Roadway Construction and Maintenance

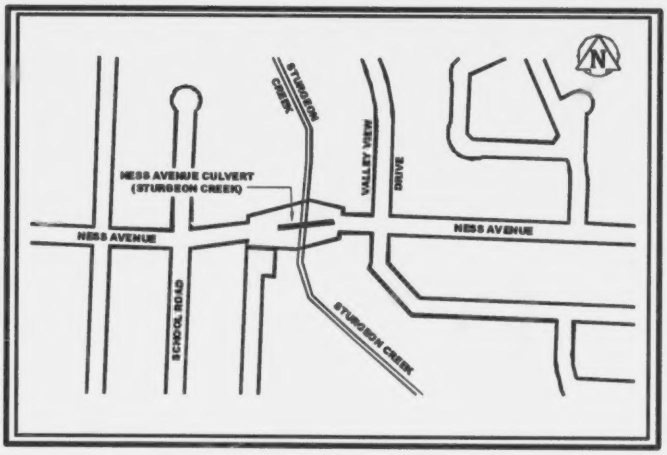
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	1,000	2,000	8,000	-	11,000	11,000
Financed by:									
Cash to Capital				1,000	2,000	8,000		11,000	11,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	850	1,850	7,100	1,200	-	11,000
Financed by:								
Cash to Capital			850	1,850	7,100	1,200		11,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			51
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	51

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Replace existing structure with a new bridge. Undertake preliminary engineering in 2013, detailed engineering in 2014, and construction in 2015.


N
STURGEON CREEK
VALLEY VIEW DRIVE
NESS AVENUE CULVERT (STURGEON CREEK)
NESS AVENUE
NESS AVENUE
SCHOOL ROAD
STURGEON CREEK

Project Name: **Portage Avenue Bridge (Sturgeon Creek)**

Department: Public Works
Project: 180500xx12

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

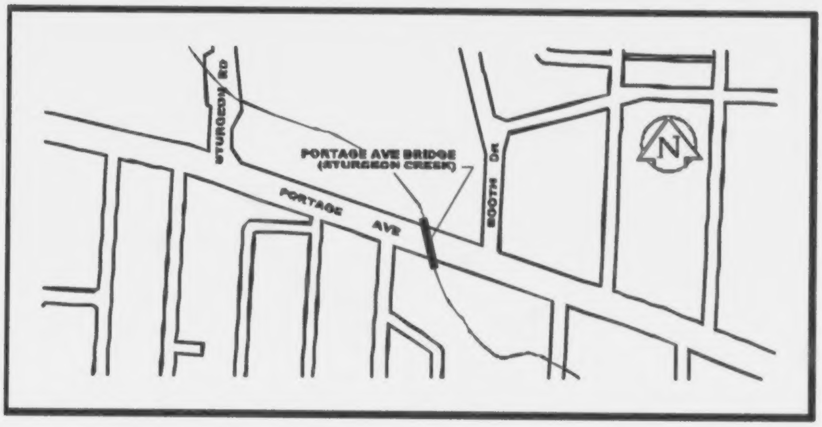
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	500	500	5,000	-	-	6,000	6,000
Financed by:									
Cash to Capital			500	500	5,000			6,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	425	500	4,325	750	-	-	6,000
Financed by:								
Cash to Capital		425	500	4,325	750			6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		26	30
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			40
SURPLUS/(DEFICIT)	-	26	(10)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Full bridge rehabilitation with a total budget requirement of $6,000,000. 2012 - Preliminary Design $500,000; 2013 - Detailed Design $500,000; 2014 - Construction $5,000,000.



Project Name: **Saskatchewan Avenue Bridge (Omand's Creek)**

Department: Public Works
Project: 180500xx14

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

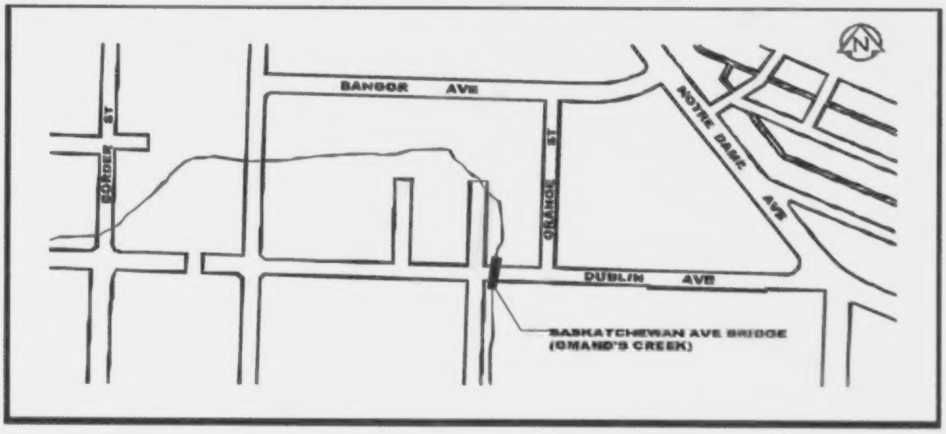
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	500	2,000	-	2,500	2,500
Financed by:									
Cash to Capital					500	2,000		2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	425	1,775	300	-	2,500
Financed by:								
Cash to Capital				425	1,775	300		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Bridge replacement with a total budget requirement of $2,500,000. Preliminary/detailed engineering in 2014 budgeted for $500,000 and construction in 2015 budgeted for $2,000,000.



Project Name: **Lyndale Drive - Retaining Wall Rehabilitation**

Department:	Public Works	Capital Priority Rating:	3 - 4
Project:	180500xx14	Service:	Roadway Construction and Maintenance

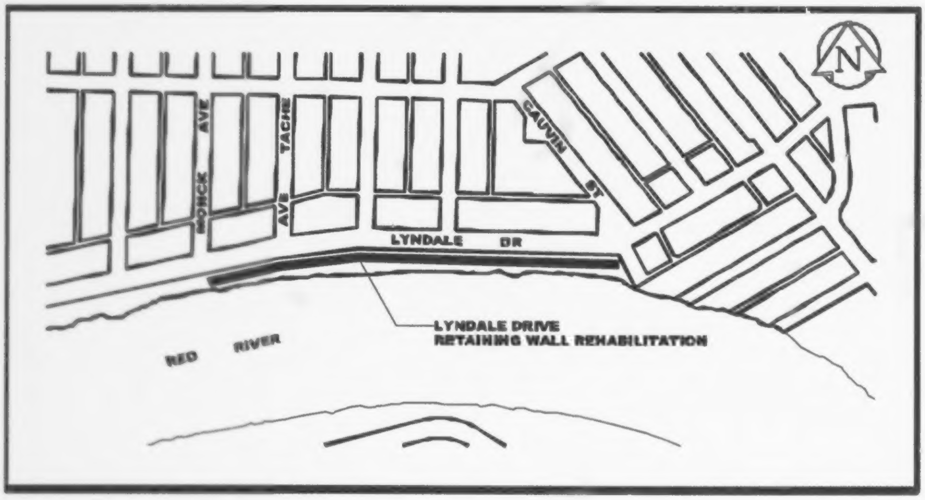
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	500	500	3,000	4,000	4,000
Financed by:									
Cash to Capital					500	500	3,000	4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	425	500	2,625	450	4,000
Financed by:								
Cash to Capital				425	500	2,625	450	4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This retaining wall forms part of the Lyndale Drive primary dyke system between Monck Avenue and Gauvin Street. The total estimated budget requirement is $4,000,000 with $500,000 in 2014 for preliminary design, $500,000 in 2015 for detailed design, and $3,000,000 in 2016 for construction.



Project Name: **Osborne Street Underpass**

Department: Public Works
Project: 180500xx15

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

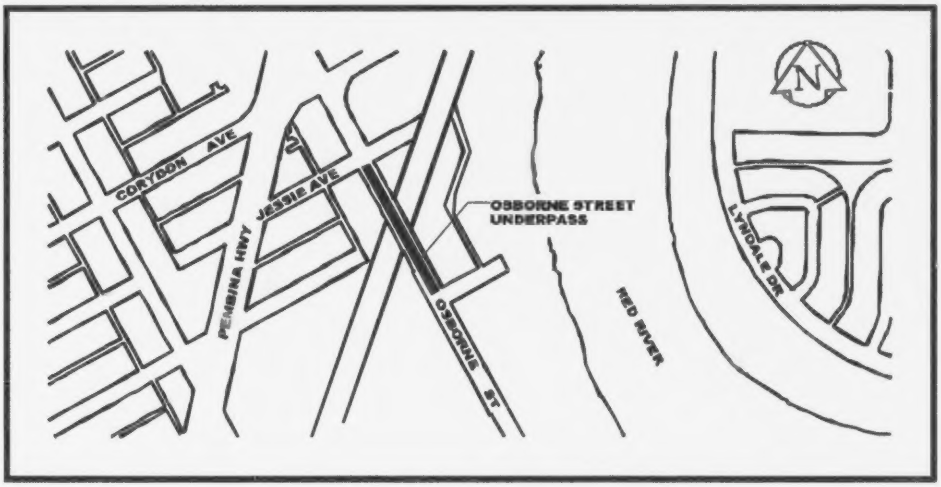
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	-	2,500	-	2,500	2,500
Financed by:									
Cash to Capital						2,500		2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	2,125	375	-	2,500
Financed by:								
Cash to Capital					2,125	375		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

2015 - Project budget shown is to undertake conceptual study/design, preliminary design, and public consultation. Estimated project construction budget of $70,000,000 for potential reconstruction/widening assuming work is undertaken in 2018 and 2019.



Project Name: **Waterway Crossing and Grade Separations - Annual Program**

Department: Public Works
Project: 1805000111
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	3,000	2,000	2,000	2,000	2,000	3,000	11,000	14,000
Financed by:									
Cash to Capital		3,000	2,000	2,000	2,000	2,000	3,000	11,000	14,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,550	2,150	2,000	2,000	2,000	2,850	450	14,000
Financed by:								
Cash to Capital	2,550	2,150	2,000	2,000	2,000	2,850	450	14,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	153	129	120
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		243	447
SURPLUS/(DEFICIT)	153	(114)	(327)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Annual program to carry out preventative maintenance, major repairs, improvements, or replacement to existing bridges, subways, overpasses, culverts, and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

Additional funding is required in 2011 to undertake an urgent major culvert replacement complete with slope stability that is threatening Pembina Highway (Beaujoulais Coulee) near Ducharme Avenue. This work will be coordinated with Water & Waste Department to include a flood control structure. The estimated budget allocation for this work is $1,500,000 based on a Class 4 estimate. The additional funding will allow a minimum program of bridge maintenance of the remaining bridge infrastructure. Annual program to carry out preventative maintenance, major repairs, improvements, or replacement to existing bridges, subways, overpasses, culverts, and related bridge infrastructure ensuring continued and continuous services of these facilities to the maximum practical extent.

On December 15, 2010 Council approved a first call on the 2011 Budget in the amount of $800,000 for the Structure Rehabilitation - Portage Avenue at Truro Creek.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Back to Capital Projects Detail
Table of Contents

Project Name: **Disraeli Bridge and Overpass Facility**

Department: Public Works
Project: 1805000208

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	195,000	-	-	-	-	-	-	-	-
Financed by:									
Public Private Partnership	101,211							-	-
Upfront Project Costs									
Cash to Capital	18,789							-	-
Future Payments									
Federal Gas Tax	6,100	6,100	13,800	19,800	19,800	19,800	19,800	93,000	99,100
Encumbrance Toward Commissioning Payment	(6,100)	(6,100)	(6,100)					(6,100)	(12,200)
Public Private Partnership Annual Service/Financing Payments			(7,700)	(19,800)	(19,800)	(19,800)	(19,800)	(86,900)	(86,900)
External Debt	75,000								

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	6,100	13,800	19,800	19,800	19,800	19,800	401,000	500,100
Financed by:								
Federal Gas Tax	6,100	13,800	19,800	19,800	19,800	19,800	401,000	500,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			(98)
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	98

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2010, Plenary Roads Winnipeg (PRW) was awarded the contract to design, build, finance and maintain the Disraeli Bridge and Overpass Facility. The bridges will be replaced with entirely new structures that have a design life of 75 years. The project includes a separate, new Active Transportation bridge crossing the Red River.

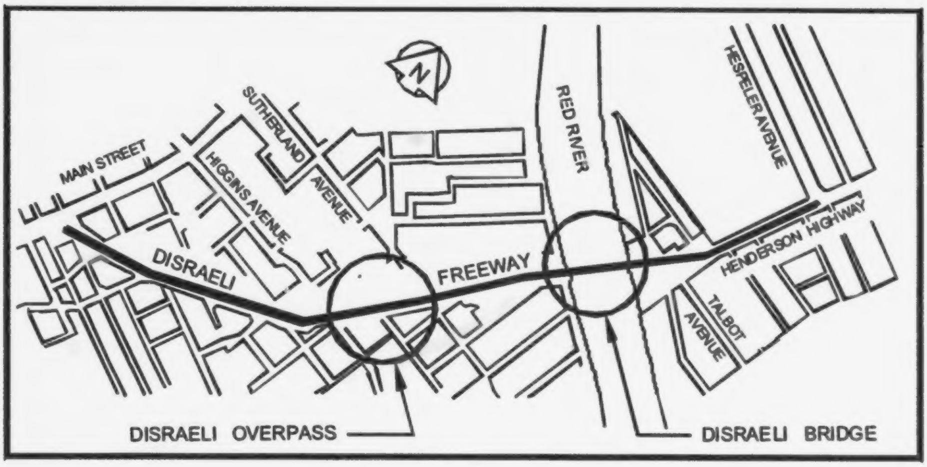
The bridges are designed to accommodate future expansion to six lanes, should that option be pursued. A minimum of four lanes will remain open throughout construction during all peak travel times (Monday to Friday 6 am to 6 pm). Construction will commence when all regulatory approvals are obtained and the new bridges will be open to traffic in the fall of 2012.

The City will make a down payment of $75 million to PRW when the new bridges are open to traffic. After opening to traffic, the City will make monthly payments to PRW over the 30 year term of the contract to cover the remaining capital cost of the works as well as the maintenance of the facility. Payments to PRW are based on performance and payments are reduced where the City's performance specifications are not met.

The City's $75 million commissioning payment will be financed by cash from the Encumbrance Toward Commissioning Payment with the balance being funded by debt. Both the payments to PRW and payments on the debt will be funded by Federal Gas Tax. Maximum annual payments total $19.8 million per year for the first 10 years after commissioning, decreasing to $14.8 million per year for the final 20 years of the maintenance term.

Council has approved a by-law authorizing up to $75 million in external debt for this project. The Public Service will seek to minimize external debt to the extent that internal financing may be available.

Disraeli Bridge and Overpass Facility (continued):


N
MAIN STREET
SUTHERLAND AVENUE
HIGGINS AVENUE
RED RIVER
HESPELER AVENUE
HENDERSON HIGHWAY
DISRAELI FREEWAY
TALBOT AVENUE
DISRAELI OVERPASS
DISRAELI BRIDGE

Project Name: **Charleswood Bridge**

Department: Public Works
Project: 180500XX11

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		1,478	1,478	1,478	1,478	1,478	1,478	7,390	8,868
Public Private Partnership Lease Payments		(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(1,478)	(7,390)	(8,868)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,478	1,478	1,478	1,478	1,478	1,478	11,824	20,692
Financed by:								
Cash to Capital - See Note	1,478	1,478	1,478	1,478	1,478	1,478	11,824	20,692

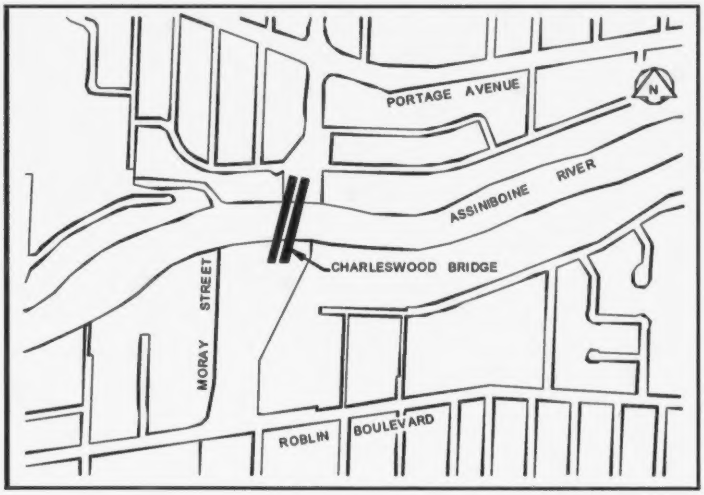
NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Charleswood Bridge was constructed in 1994 and 1995 along with the roadworks between Roblin Boulevard and Ness Avenue.

The bridge portion of the project was undertaken as a public-private partnership, with lease payments extending until 2024.

Note: Cash flow beyond 2016 equals payments to 2024.



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Project Name: **Chief Peguis Trail - Henderson Highway to Lagimodiere Boulevard**

Department: Public Works
Project: 1801000107

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	74,300	34,200	-	-	-	-	-	-	34,200
Financed by:									
Public Private Partnership	30,000	21,200						-	21,200
PPP Canada Inc. - Federal Funding		22,300						-	22,300
Provincial Funding for Road Improvements	9,000							-	-
Cash to Capital	5,300	2,000						-	2,000
Future Payments									
Cash to Capital			2,869	2,869	2,869	2,869	2,869	14,345	14,345
Federal Gas Tax		2,444	5,415	5,415	5,415	5,415	5,415	27,075	29,519
Public Private Partnership Annual Service/Financing Payments		(2,444)	(8,284)	(8,284)	(8,284)	(8,284)	(8,284)	(41,420)	(43,864)
External Debt	30,000	(11,300)							(11,300)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,444	8,284	8,284	8,284	8,284	8,284	204,656	250,520
Financed by:								
Cash to Capital	2,000	2,869	2,869	2,869	2,869	2,869	71,725	88,070
Federal Gas Tax	2,444	5,415	5,415	5,415	5,415	5,415	132,931	162,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		50	200
Debt and finance charges increase		230	560
SURPLUS/(DEFICIT)	-	(280)	(760)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project was approved by Council on July 21, 2010.

In 2010, DBF2 Ltd. was awarded the contract to design, build, finance and maintain the Chief Peguis Trail Extension from Henderson Highway to Lagimodiere Boulevard. The project includes a grade separation at Rothesay as well as a separate new Active Transportation bridge crossing Chief Peguis Trail at Raleigh/Gateway. Construction has commenced and the facility is scheduled to be open to traffic in the fall of 2012.

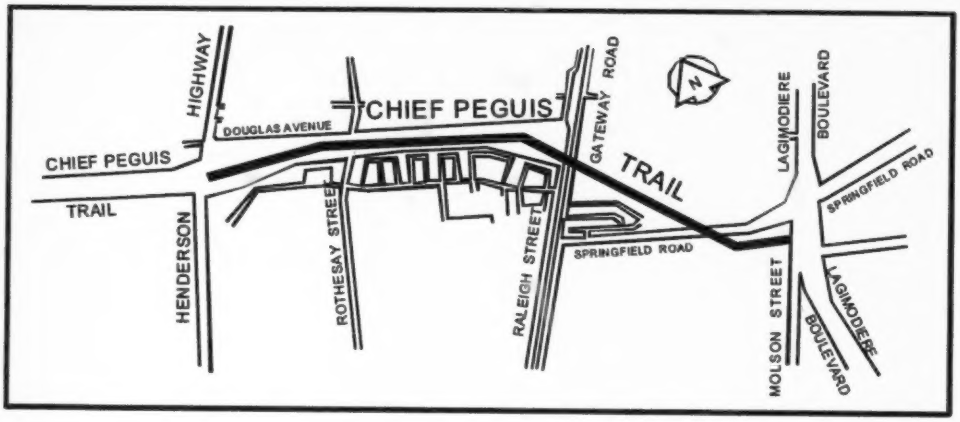
The City will make $20 million in milestone payments to DBF2 Ltd., beginning at 51% construction completion. The City will make an additional payment of $30 million to DBF2 Ltd. when the new faciltiy is open to traffic. After opening to traffic, the City will make monthly payments to DBF2 Ltd. over the 30 year term of the contract to cover the remaining capital cost of the works as well as maintenance of the facility. Payments to DBF2 Ltd. are based on performance and payments are reduced where the City's performance specifications are not met. Most maintenance activities are the responsibility of DBF2 Ltd., however, certain day to day operating activities have been retained by the City due to cost effectiveness.

The City's $50 million in payments to DBF2 Ltd will be financed by funding from PPP Canada Inc., the Province of Manitoba and debt. PPP Canada Inc.'s funding is based on 25% of eligible expenditures (maximum $25 million) and as such, may vary slightly from budget. External Debt will be adjusted once PPP Canada Inc. funding has been finallly determined.

Chief Peguis Trail (continued):

It should be noted that in the prior year's Capital Budget, $2 million per year for 30 years was held in the Capital Investment Fund for this project. This balance was formally transferred by Council on July 21, 2010.

In a letter from the Provincial Minister of Local Government dated July 13, 2010, a total of $9 million in 2010 Road Improvement funding has been committed for the extension of Chief Peguis Trail from Henderson Highway to Lagimodiere Boulevard. As such, this funding has been included in Previous Budgets to reflect this commitment.


HIGHWAY
DOUGLAS AVENUE
CHIEF PEGUIS
CHIEF PEGUIS
TRAIL
HENDERSON
ROTHESAY STREET
RALEIGH STREET
GATEWAY ROAD
TRAIL
N
SPRINGFIELD ROAD
LAGIMODIERE
BOULEVARD
SPRINGFIELD ROAD
MOLSON STREET
BOULEVARD
LAGIMODIERE

Project Name: **Waverley West Arterial Roads Project**

Department: Public Works
Project: 1803000110

Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	51,300	3,400	-	-	-	-	-	-	3,400
Financed by:									
Cash to Capital	10,567	3,400						-	3,400
Transfer from Prior Authorization	7,500							-	-
Building Canada Funding	18,233							-	-
Provincial Government Funding	15,000							-	-

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,890	510	-	-	-	-	-	3,400
Financed by:								
Cash to Capital	2,890	510						3,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	58	10	
Less:			
Operating expenditures increase/(decrease)		70	145
Debt and finance charges increase		275	324
SURPLUS/(DEFICIT)	58	(335)	(469)

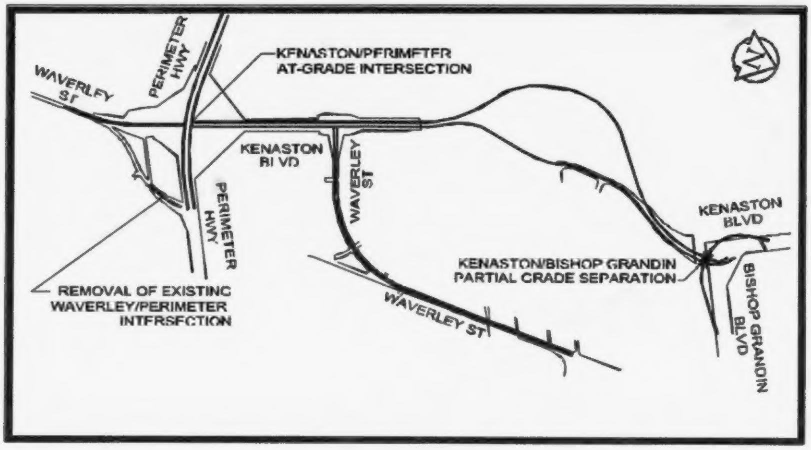
***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On September 13, 2009, $54.7 million was announced in joint Federal-Provincial-City funding for the Waverley West Arterial Roads Project. The investment will allow for future economic growth in this area, decrease commute times and improve safety for motorists. Funding is made available under the Building Canada Fund - Major Infrastructure component, part of Canada's Economic Action Plan.

The project includes; the intersection of Kenaston and Bishop Grandin with a partial grade separation, the extension of Kenaston as a four lane arterial roadway from Bishop Grandin to PTH 100, an at grade intersection of the proposed Kenaston and PTH 100, the addition of two new lanes on the existing Waverley and the rehabilitation of the two existing lanes to connect with the four lane arterial roadway to the north, a new four lane section of Waverley that creates a realignment of the existing street in a westerly direction to the proposed Kenaston Blvd, a new at grade intersection of the new Kenaston and the realigned Waverley Street, the decomissioning of the at grade intersection of Waverley and PTH 100, and a new 2 lane section of Waverley south of PTH 100 to the new intersection of Kenaston and PTH 100.

Funds adopted in the 2009 Capital Budget for the Kenaston Boulevard extension and Bishop Grandin intersection have been transferred to this project.

Waverley West (continued):


KENASTON/PERIMETER AT-GRADE INTERSECTION
WAVERLEY ST
PERIMETER HWY
KENASTON BLVD
WAVERLEY ST
PERIMETER HWY
REMOVAL OF EXISTING WAVERLEY/PERIMETER INTERSECTION
WAVERLEY ST
KENASTON BLVD
KENASTON/BISHOP GRANDIN PARTIAL GRADE SEPARATION
BISHOP GRANDIN BLVD

Project Name: **Asset Management System - Various Divisions**

Department: Public Works
Project: 181200xx11
Capital Priority Rating: 3 - 4
Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	492	549	405	405	-	-	1,359	1,851
Financed by:									
Cash to Capital		492	549	405	405			1,359	1,851

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	418	540	427	405	61	-	-	1,851
Financed by:								
Cash to Capital	418	540	427	405	61			1,851

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	13	16	13
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		40	91
SURPLUS/(DEFICIT)	13	(24)	(78)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The asset management program being implemented in the Public Works Department is centered on the application of quality management principles to the operation, maintenance, and renewal of infrastructure. A primary objective is the development and implementation of methodologies to preserve the infrastructure and to identify the funding necessary for the long term preservation of the assets.

An objective of the asset management program is to extend this systematic structural quality management approach to all the infrastructure under the Public Works Department responsibility. Funds are required to implement new or maintain existing asset management programs.

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
Traffic Signals Branch, Transportation Division	50	100	50	50			250
Traffic Services Branch, Streets Maintenance Division	25	50	25	25			125
Asset Management Branch, Engineering Division	100	100	100	100			400
Park Services Operational Support Branch, Parks & Open Spaces Division	317	299	230	230			1,076
	492	549	405	405	-	-	1,851

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage Sewers - Regional / Local Streets**

Department: Public Works
Project: 181300xx11

Capital Priority Rating: 2 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	150	150	150	150	150	150	750	900
Financed by:									
Cash to Capital		150	150	150	150	150	150	750	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	128	150	150	150	150	150	22	900
Financed by:								
Cash to Capital	128	150	150	150	150	150	22	900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	4	5	5
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		12	26
SURPLUS/(DEFICIT)	4	(7)	(21)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Land drainage sewers and catch basins required for Local Improvement projects and other miscellaneous drainage improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Acquisition - Transportation Right of Way**

Department: Public Works
Project: 183400xx11
Capital Priority Rating: 3 - 4
Service: Transportation Planning and Traffic Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	300	300	300	300	300	300	1,500	1,800
Financed by:									
Cash to Capital		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Cash to Capital	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	57
SURPLUS/(DEFICIT)	9	(20)	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Allowance for the acquisition of land for future transportation rights-of-way not included in any specific capital project within the given year's capital program. To allow for eventual implementation of proposed regional streets transportation plans by acquiring rights-of-way when the necessary land becomes available or when non-compatible private development is proposed on the land that will be required.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Sand / Salt Storage Facility**

Department: Public Works
Project: 1815000107
Capital Priority Rating: 3 - 2
Service: Roadway Snow Removal and Ice Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,900	-	600	-	-	-	-	600	600
Financed by:									
Cash to Capital			600					600	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	600	-	-	-	-	-	600
Financed by:								
Cash to Capital		600						600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		18	
Less:			
Operating expenditures increase/(decrease)			1
Debt and finance charges increase			57
SURPLUS/(DEFICIT)	-	18	(58)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The facility will be constructed in conjunction with the Public Works east yards development. It will store salt and treated sand for use in snow and ice control. Recent guidelines for the environmental management of road salt use recommends that road authorities across Canada increase protection for materials exposed to wind or precipitation in order to minimize loss of salt to the environment. Previous budget includes $500,000 that was an authorized transfer in 2007 to the St. Anne's Road streets project.

Project Name: **City-Wide Accessibility Program**

Department: Public Works
Project: 181400xx11

Capital Priority Rating: 2 - 3
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	350	350	350	350	350	350	1,750	2,100
Financed by:									
Cash to Capital		350	350	350	350	350	350	1,750	2,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	298	350	350	350	350	350	52	2,100
Financed by:								
Cash to Capital	298	350	350	350	350	350	52	2,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	11	11
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		28	62
SURPLUS/(DEFICIT)	9	(17)	(51)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding to address accessibility issues (Executive Policy Committee recommendation adopted by Council September 25, 2002).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Reforestation - Improvements**

Department: Public Works
Project: 185000xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	383	387	383	383	383	383	1,919	2,302
Financed by:									
Cash to Capital		383	387	383	383	383	383	1,919	2,302

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	326	386	384	383	383	383	57	2,302
Financed by:								
Cash to Capital	326	386	384	383	383	383	57	2,302

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	20	23	23
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase		31	68
SURPLUS/(DEFICIT)	(5)	(33)	(70)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Sustainable urban forest management program may include tree replacement, tree pruning, improvement of tree vaults, grates or wells, and inventory along City boulevards, plazas, and parks.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Athletic Fields - Improvements**

Department: Public Works
Project: 185200xx11
Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	-	200	200	124	200	724	924
Financed by:									
Cash to Capital		200		200	200	124	200	724	924

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	200	200	124	200		924
Financed by:								
Cash to Capital	200		200	200	124	200		924

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12		12
Less:			
Operating expenditures increase/(decrease)	10	10	20
Debt and finance charges increase		19	19
SURPLUS/(DEFICIT)	2	(29)	(27)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Athletic field improvements in areas requiring grading, sodding, seeding, irrigation and/or drainage improvements, replacement of backstops, goal posts, and other related park works as required on a site-by-site basis:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
St Vital Park - premier soccer pitch	200						200
Athletic Field Upgrading - Various			200	200	124	200	724
	200	-	200	200	124	200	924

On April 27, 2011, Council approved that the 2010 program budget for Athletic Fields - Improvements be increased from $200,000 to $300,000 to reflect the approval of $100,000 in funding through the Recreational Infrastructure Canada Program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Parks - Improvements**

Department: Public Works
Project: 185300xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	712	617	677	653	655	655	3,257	3,969
Financed by:									
Cash to Capital		712	617	677	653	655	655	3,257	3,969

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	605	631	668	657	655	655	98	3,969
Financed by:								
Cash to Capital	605	631	668	657	655	655	98	3,969

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	36	38	40
Less:			
Operating expenditures increase/(decrease)	61	81	127
Debt and finance charges increase		58	118
SURPLUS/(DEFICIT)	(25)	(101)	(205)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and/or improvements to various parks to repair aging park infrastructure and related amenities:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
HarbourView Park - repairs to play area, bollards and horseshoe grounds	112						112
Lawn Bowling - various locations	150						150
Harbour View Rec Center - Master plan and engineering study for sea wall and courtyard / building foundations	200						200
Kildonan Park and Rainbow Stage - replace seating		617					617
City Hall court yard tree well cover replacement	250						250
Various locations			677	653	655	655	2,640
	712	617	677	653	655	655	3,969

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Multi-Use Recreation Sites - Parking Lot Renewals**

Department: Public Works
Project: 185300xx11
Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,500	-	-	-	-	-	-	1,500
Financed by:									
Cash to Capital		1,500						-	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,275	225	-	-	-	-	-	1,500
Financed by:								
Cash to Capital	1,275	225						1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	77	14	
Less:			
Operating expenditures increase/(decrease)	61	81	127
Debt and finance charges increase		121	143
SURPLUS/(DEFICIT)	16	(188)	(270)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The reconstruction of these parking lots will include new granular base, drainage components, and asphalt surfacing.

Marg Edey Park - $675,000

Anderson Park - $375,000

Legion Memorial - $450,000

Project Name: **Regional & Community Parks - Buildings**

Department: Public Works
Project: 185300xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	1,150	-	-	-	-	2,150	2,150	3,300
Financed by:									
Cash to Capital		1,150					2,150	2,150	3,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	978	173	-	-	-	1,828	321	3,300
Financed by:								
Cash to Capital	978	173				1,828	321	3,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	59	10	
Less:			
Operating expenditures increase/(decrease)	61	61	61
Debt and finance charges increase		93	110
SURPLUS/(DEFICIT)	(2)	(144)	(171)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and replacement of aging park buildings:

Funds will be allocated to:	2011	2012	2013	2014	2015	2016	Total
St Vital Park - Duck pond shelter complete building refurbishment	1,000						1,000
St Vital Park - Administration Building & Garage design/study	150						150
La Barriere Park - Washroom/Warm-up Building complete refurbishment						500	500
Kildonan Park - Rainbow Stage refurbishment						1,650	1,650
	1,150	-	-	-	-	2,150	3,300

Project Name: **Playground Structures**

Department:	Public Works	Capital Priority Rating:	1 - 4
Project:	185500xx11	Service:	Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	1,750	1,800	1,800	1,800	1,800	1,800	9,000	10,750
Financed by:									
Cash to Capital		1,750	1,800	1,800	1,800	1,800	1,800	9,000	10,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,488	1,793	1,800	1,800	1,800	1,800	269	10,750
Financed by:								
Cash to Capital	1,488	1,793	1,800	1,800	1,800	1,800	269	10,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	89	108	108
Less:			
Operating expenditures increase/(decrease)	88	176	264
Debt and finance charges increase		142	312
SURPLUS/(DEFICIT)	1	(210)	(468)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program replaces one playground per ward per year.

On April 27, 2011, Council approved that the 2010 program budget for Playground Structures be increased from $1,800,000 to $2,675,000 to reflect the approval of $875,000 in funding through the Recreational Infrastructure Canada Program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Hardsurface Upgrading**

Department: Public Works
Project: 185600xx12

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	150	150	-	150	450	450
Financed by:									
Cash to Capital				150	150		150	450	450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	128	150	23	128	21	450
Financed by:								
Cash to Capital			128	150	23	128	21	450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			8
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	8

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upgrading of plazas, pathways, roadways, tennis courts, basketball courts and skate board parks at various parks locations.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Boat Launch and Dock - Reconstruction**

Department: Public Works
Project: 185600xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	500	-	-	-	-	-	-	500
Financed by:									
Cash to Capital		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	425	75	-	-	-	-	-	500
Financed by:								
Cash to Capital	425	75						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	26	5	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		40	48
SURPLUS/(DEFICIT)	26	(35)	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds will be allocated to the St Vital Park boat launch. Project includes; installation of concrete launch, rip-rap armoured banks, dock mounts, floating docks, safety signage, gates, parking, and lighting.

Project Name: **Community Park Amenities**

Department: Public Works
Project: 185700xx11

Capital Priority Rating: 1 - 4
Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000
Financed by:									
Cash to Capital		1,500	1,500	1,500	1,500	1,500	1,500	7,500	9,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,275	1,500	1,500	1,500	1,500	1,500	225	9,000
Financed by:								
Cash to Capital	1,275	1,500	1,500	1,500	1,500	1,500	225	9,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	77	90	90
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		121	264
SURPLUS/(DEFICIT)	77	(31)	(174)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Refurbishment and replacement of park amenities in the Parks & Open Space Division's inventory at various locations. Amenities may include items such as park signage, park furniture, fencing, lighting, paths, hard surfacing, vegetation, play equipment, and athletic facilities.

On April 27, 2011, Council approved that the 2010 program budget for Community Park Amenities be increased from $1,475,000 to $1,725,000 to reflect the approval of $250,000 in funding through the Recreational Infrastructure Canada Program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Insect Control - Information System**

Department: Public Works
Project: 185800XX13
Capital Priority Rating: 1 - 4
Service: Insect Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	-	1,250	-	1,250	1,250
Financed by:									
Cash to Capital						1,250		1,250	1,250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,063	187	-	1,250
Financed by:								
Cash to Capital					1,063	187		1,250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project will create a totally integrated Insect Control information system that includes: dispatch, inventory control, billing, tracking & reporting, larviciding and fogging. This system will enable Insect Control to more effectively coordinate their fogging and larviciding programs and use their products in a more efficient manner. The current system is comprised of disparate applications that have been created over the last 5-10 years. It is anticipated that since Insect Control is a very unique function, no "off the shelf" software will be available, therefore it will need to be custom built.

Project Name: **Insect Control - Replace 3 Grey Street Operations Building**

Department: Public Works
Project: 185800XX13
Capital Priority Rating: 1 - 4
Service: Insect Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	-	1,000	-	1,000	1,000
Financed by:									
Cash to Capital						1,000		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	850	150	-	1,000
Financed by:								
Cash to Capital					850	150		1,000

NET OPERATING IMPACT	2010	2011	2012
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Insect Control Operations Building at 3 Grey Street requires replacement. The existing building is very old and no longer meets the increased size and scope of today's insect control service delivery demands.

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Project Name: **Local Improvements - Ongoing Program**

Department: Assessment and Taxation

Capital Priority Rating: 2 - 3

Project: 1420000111

Service: Roadway Construction and Maintenance

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	3,000	3,000	3,000	3,000	3,000	15,000	15,000
Financed by:									
Cash to Capital			450	450	450	450	450	2,250	2,250
External Debt			2,550	2,550	2,550	2,550	2,550	12,750	12,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,550	3,000	3,000	3,000	3,000	450	15,000
Financed by:								
Cash to Capital		383	450	450	450	450	67	2,250
External Debt		2,167	2,550	2,550	2,550	2,550	383	12,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		154	180
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		83	340
SURPLUS/(DEFICIT)	-	71	(160)

Note: Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges

Local Improvement Capital Projects are those which are financed partly by a direct levy on the properties benefited. The program is governed by Local Improvements By-Law No. 98/72 and is subject to advertising and subsequent approval by the majority of ratepayers involved. The types of expenditure generally falling within this category are: paving of local streets and lanes; sidewalk and boulevard construction; installation of new watermains and sewers; ornamental street lighting and lane lighting.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Community Incentive Grant Program**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 1
Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,508	1,538	1,569	1,600	1,632	1,665	8,004	9,512
Financed by:									
Cash to Capital		1,508	1,538	1,569	1,600	1,632	1,665	8,004	9,512

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,508	1,538	1,569	1,600	1,632	1,665	-	9,512
Financed by:								
Cash to Capital	1,508	1,538	1,569	1,600	1,632	1,665		9,512

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	45	194	341
SURPLUS/(DEFICIT)	(45)	(194)	(341)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Community Incentive Grant Program, established by Council on March 6, 1985, was designed to encourage non-profit community recreation and sport organizations to undertake capital projects which would result in long-term benefits to the community at large in terms of improved service and facilities. On July 23, 2003, Council adopted expanded criteria for the Program.

On January 25, 2007, Council, with approval of the 2007 - 2012 five year Capital budget program, approved a 2% annual increase to the Community Incentive Grant Program. The Forecast assumes the continuation of this 2% increase each year.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Shelving and Furniture Replacement Program**

Department: Community Services
Project: 62110005yy
Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	200	200	200	200	200	200	1,000	1,200
Financed by:									
Cash to Capital		200	200	200	200	200	200	1,000	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	200	200	200	200	200	-	1,200
Financed by:								
Cash to Capital	200	200	200	200	200	200		1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	26	45
SURPLUS/(DEFICIT)	(6)	(26)	(45)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Continued capital funding is required to replace aging library shelving and furniture that cannot be accommodated within the existing operating budget. The average age of Winnipeg's branch libraries is approximately 45 years old. Much of the furniture and shelving dates from the original opening of those facilities. The furniture and shelving needs to be replaced, in some cases for safety reasons, in order to ensure that library facilities remain safe, accessible and welcoming spaces for the changing needs of library users.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Library Replacement - Various**

Department: Community Services
Project: 62130001yy
Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013	2014	2015	2016		
Project Costs ($000's)	1,000	1,000	5,500	4,000	2,000	3,000	5,000	19,500	20,500
Financed by:									
Cash to Capital		1,000	5,500	4,000	2,000	3,000	5,000	19,500	20,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	5,500	4,000	2,000	3,000	5,000	-	20,500
Financed by:								
Cash to Capital	1,000	5,500	4,000	2,000	3,000	5,000		20,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		275	275
Debt and finance charges increase	30	274	749
SURPLUS/(DEFICIT)	(30)	(549)	(1,024)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Project funds are necessary to replace and furnish modern, safe, and accessible libraries that are able to accommodate the changing needs of library users. Funding allocated in 2009 will be used in conjunction with 2011 funds for expenses related to the architectural design of the new library facility as part of a multi-use complex that will see the amalgamation of two existing libraries into one new facility. Construction on this amalgamation is expected to occur in 2012. The new library facility would open in early 2013. Accommodations costs, inclusive of debt and finance charges, relative to construction of the new facility in 2012, are estimated to increase based on 2009 data at approx. $275,000. Details will be further confirmed with Municipal Accommodations during the preparation of the 2012 - 2014 budget and will be incorporated into the operating budget at that time.

Funding for 2013 - 2016 are for future library projects that could include, but are not limited to, amalgamations, joint use facilities, libraries located in multi-use recreation and leisure facilities, and stand alone library facilities either as replacements for existing facilities or net new library facilities to the City (as per Recreation Leisure & Library Facility Policy).

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Renovate and Refurbish Various Library Branches Program**

Department: Community Services
Capital Priority Rating: 1 - 2
Project: 621xxxxxyy
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	500	500	1,000	800	-	500	2,800	3,300
Financed by:									
Cash to Capital		500	500	1,000	800		500	2,800	3,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	1,000	800	-	500	-	3,300
Financed by:								
Cash to Capital	500	500	1,000	800		500		3,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	64	128
SURPLUS/(DEFICIT)	(15)	(64)	(128)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital program is required to support ongoing renovations of existing library branches that cannot be supported within the existing library operating budget. The average age of Winnipeg's branch libraries is approximately 45 years old. Improvements to facilities will include replacing carpeting, flooring, painting, energy efficient improvements such as lighting and water conservation initiatives, furnishings, counters and workstation replacements that incorporate ergonomic design and universal design principles. In addition, funding will be used for undertaking minor and major construction projects in order to improve library facilities to meet the changing needs of library users.

The 2010 renovate and refurbish funds were combined with 2008 funds to undertake major renovation projects at the Louis Riel, Henderson and Osborne Libraries. In addition smaller projects were undertaken at St. Boniface, Munroe, Cornish, Fort Garry, and Millennium.

If sufficient funds exist, in 2014, the plan is for a major renovation of one or two existing branches in partnership with the Winnipeg Library Foundation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Technology Upgrade and Replacement**

Department:	Community Services	Capital Priority Rating:	1 - 2
Project:	621xxxxxyy	Service:	Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	-	-	500	500	500	1,500	1,500
Financed by:									
Cash to Capital					500	500	500	1,500	1,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	500	500	-	1,500
Financed by:								
Cash to Capital				500	500	500		1,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

By 2014 the Library Reserve will be near depletion. Annual capital funds of $500,000 will be required to upgrade and replace staff and public access personal computers as well as to support the continued upgrade, replacement and implementation of information technology initiatives throughout the library system.

Project Name: **Recreational Facility Safety & Accessibility Improvements**

Department: Community Services
Project: 625000001yy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	400	400	500	500	600	2,400	2,400
Financed by:									
Cash to Capital			400	400	500	500	600	2,400	2,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	400	400	500	500	600	-	2,400
Financed by:								
Cash to Capital		400	400	500	500	600		2,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		13	51
SURPLUS/(DEFICIT)	-	(13)	(51)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This capital project will help address workplace and public safety, health, and accessibility issues that are not part of the current service level agreement with Building Services.

Each year a portion of the funds will be utilized for installation of security systems, fitness equipment replacement, and facility amenities and accessibility projects within 13 indoor pools and 9 major recreation centres based upon established priorities.

New demands require security for staff while performing their duties and increased surveillance of non-staffed space within our buildings, both for patron safety and theft prevention within and immediately outside of aquatic and recreation facilities.

The heavy use of fitness equipment and customer demands requires that a program of equipment replacement is implemented to ensure safety and meet contemporary needs.

Recreation facility amenities must be refurbished to meet public health and safety standards, regulation, and to enhance facilities to meet the needs of the public including accessibility (washrooms, change rooms, signage, public entranceways, etc.) and accessible family amenities (specialty change rooms).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Library Signage, Safety and Accessibility**

Department: Community Services
Project: 621xxxxxyy

Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	200	200	200	200	200	1,000	1,000
Financed by:									
Cash to Capital			200	200	200	200	200	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	200	200	200	200	-	1,000
Financed by:								
Cash to Capital		200	200	200	200	200		1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		7	26
SURPLUS/(DEFICIT)	-	(7)	(26)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to address three areas: 1. Signage needs on the exterior and interiors of library facilities, including electronic signs, for promotion of services and programs, are required to make libraries more visible to the community. 2. Safety issues need to be addressed in many libraries including upgrading lighting, installing video monitoring technology, regular landscape maintenance, and other building upgrades are required to ensure that libraries remain safe and welcoming to the community and deter vandalism and graffiti. 3. Accessibility issues need to be addressed including adding exterior ramps, upgrading public and staff washrooms, improving wayfinding signage, and installing life safety apparatus to meet the needs of persons with disabilities.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Business Application Systems**

Department: Community Services
Project: 626xxxxxyy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	250	-	-	-	250	250
Financed by:									
Cash to Capital				250				250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	250	-	-	-	-	250
Financed by:								
Cash to Capital			250					250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			8
SURPLUS/(DEFICIT)	-	-	(8)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required for the upgrade and/or implementation of business application systems within the Community Services Department and/or City as a whole (e.g., Class, Amanda, E-Cash) to improve the delivery of public services. These systems will be designed to introduce new technologies, to integrate with other departmental and corporate systems, and to incorporate web services to customers where possible. This project will provide more convenient, efficient and cost-effective public service.

Project Name: **Recreation Equipment Program - New Facilities**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	-	-	400	-	400	400
Financed by:									
Cash to Capital						400		400	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	400	-	-	400
Financed by:								
Cash to Capital					400			400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to purchase recreation equipment to meet the program needs of patrons in new and/or expanded facilities. This capital request coincides with the longer term plan of building new, refurbishing, expanding, and/or improving recreation facilities with the "Recreation Facility Replacement - Various" capital project.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Technology Upgrade and Replacement**

Department: Community Services
Project: 62xxxxxxyy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	250	-	-	250	250
Financed by:									
Cash to Capital					250			250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	250	-	-	-	250
Financed by:								
Cash to Capital				250				250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required in order to maintain life cycle replacement schedules of existing hardware as the Computer Replacement Reserve will be depleted in 2014.

Project Name: **Mobile Library Service Vehicle**

Department: Community Services
Project: 621xxxxxyy
Capital Priority Rating: 1 - 2
Service: Libraries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	650	-	-	-	650	650
Financed by:									
Cash to Capital				650				650	650

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	650	-	-	-	-	650
Financed by:								
Cash to Capital			650					650

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			150
Debt and finance charges increase			21
SURPLUS/(DEFICIT)	-	-	(171)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required to purchase a new mobile library vehicle in order to expand library outreach services to inner city, high risk neighbourhoods. The vehicle purchased would be a walk-on vehicle that would be equipped with shelving for collections, space for programming and public access computers to provide access to information and conduct library functions. The Library Services Division will work in conjunction with Fleet Management to purchase the appropriate vehicle for this specialized service. The vehicle may be purchased from out of province because of the specialized nature of the vehicle.

Annual operating funds will be required for the mobile van service including staffing, start up collection, program supplies, three Public Access Computers, and vehicle operating costs including insurance, licensing, gas, other consumable charges, etc.

Project Name: **Recreation Facility Replacement - Various**

Department: Community Services
Project: 62510001yy

Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012**	2013	2014	2015	2016		
Project Costs ($000's)	500	-	2,750	-	-	2,800	2,600	8,150	8,150
Financed by:									
Cash to Capital			2,750			2,800	2,600	8,150	8,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,750	-	-	2,800	2,600	-	8,150
Financed by:								
Cash to Capital		2,750			2,800	2,600		8,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		89	262
SURPLUS/(DEFICIT)	-	(89)	(262)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Old infrastructure - During the 1950's, 60's and 70's, the City experienced significant growth with corresponding new infrastructure being built as a result of the baby boomer generation. Much of this infrastructure is 40 to 60 years old and requires renewal.

These project funds are necessary for new infrastructure to service growth and to replace existing aging infrastructure to meet citizen demand for contemporary recreational amenities. Replacement of existing facilities may result in consolidation or closing of existing facilities to meet the requirements in the Recreation Leisure and Library Facility Policy approved by Council on May 18, 2005. The City is working towards the consolidation of facilities in all future developments with a focus on developing multi-use facilities (e.g. libraries, water amenities, fitness, skateboard parks, basketball courts, arenas).

The funds requested in 2010 and 2012 are proposed for a new multi-use facility and are required to supplement the capital funding included in the Library Replacement capital request. The total of $3.250 million includes costs for the demolition of existing structures, design and construction of the facility, and parking lot development. Construction is expected to occur in 2012. Any net utility savings (e.g. heat, electricity, water, repairs and maintenance) that may accrue from a new building will be determined and incorporated into the 2012 - 2014 budget submission.

Funding in 2015 - 2016 are for future projects that could include joint use facilities, mulit-use recreation and leisure facilities, and stand alone facilities where a business case can be made (Recreation, Leisure & Library Facility Policy).

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Recreation Refurbishment & Redevelopment**

Department: Community Services
Project: 62510002yy
Capital Priority Rating: 1 - 2
Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,000	1,000	-	-	-	1,500	2,500	3,500
Financed by:									
Cash to Capital		1,000	1,000				1,500	2,500	3,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	-	-	-	1,500	-	3,500
Financed by:								
Cash to Capital	1,000	1,000				1,500		3,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	30	128	190
SURPLUS/(DEFICIT)	(30)	(128)	(190)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Project funds are necessary to refurbish and redevelop existing recreation and aquatic facilities to become more modern, safe, and accessible and to accommodate the changing needs of recreation users. Funding requested in 2011 will be partially used to consult and design future year's priority projects.

Funding for 2012 - 2016 are for future recreation and aquatic projects that could include, but are not limited to, amalgamations, joint use facilities, multi-use recreation and leisure facilities, and stand alone recreation and aquatic facilities either as replacements for existing facilities or net new library facilities to the City (as per Recreation Leisure & Library Facility Policy).

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature. The first year of funding for this program is 2011.

Back to Capital Projects Summary

Project Name: **Assiniboine Park Conservancy (APC) - Upgrades and Improvements**

Department: Community Services
Project: 62300001yy
Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	5,123	5,123	5,123	5,123	5,123	5,123	25,615	30,738
Financed by:									
Cash to Capital		4,021	5,123	5,123	5,123	5,123	5,123	25,615	29,636
Proceeds from Glacial Sand and Gravel		1,102							1,102

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,123	5,123	5,123	5,123	5,123	5,123	-	30,738
Financed by:								
Cash to Capital	4,021	5,123	5,123	5,123	5,123	5,123		29,636
Proceeds from Glacial Sand and Gravel	1,102							1,102

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	154	654	1,142
SURPLUS/(DEFICIT)	(154)	(654)	(1,142)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

These capital dollars represent the City's ongoing commitment to Assiniboine Park building repairs, upgrades and park improvements.

The first year of funding for this project was 2010.

The release of capital funds is subject to annual explanation and submission of projected cash flow needs to the Public Service.

As this project is a capital grant, it is exempt from the following overhead: 1% administration, 2% interest charges.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Assiniboine Park Conservancy (APC) - Capital Development Plan**

Department: Community Services
Project: 62300002yy

Capital Priority Rating: 1 - 2
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,849	4,500	4,500	4,500	4,500	4,500	4,500	22,500	27,000
Financed by:									
Cash to Capital			4,500	4,500	4,500	4,500	4,500	22,500	22,500
Proceeds from Glacial Sand and Gravel		4,500						-	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,500	4,500	4,500	4,500	4,500	4,500	-	27,000
Financed by:								
Cash to Capital		4,500	4,500	4,500	4,500	4,500		22,500
Proceeds from Glacial Sand and Gravel	4,500							4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	135	428	428
SURPLUS/(DEFICIT)	(135)	(428)	(428)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

These capital dollars represent the City's ongoing commitment to the Assiniboine Park Conservancy - Capital Development Plan which is subject to a maximum contribution of 25% of the total capital costs outlined in a Council approved Ten-Year Capital Development Plan (2010 - 2019) for Assiniboine Park. APC is required to obtain matching funds from private sector donations and senior government contributions.

Based upon a Council approved Development Plan, APC will submit on an annual basis its request for the City's contribution for the following funding year's development plan project(s). APC will include detailed information on planned projects including total costs and other funding sources.

As Development Plans are completed, or require revision as time progresses, APC will develop and present new and amended Development Plans for Council approval.

In 2010 (the first year for this capital project), $2.849 million was provided towards the Nature Playground and Duck Pond expansion project.

As this project is a capital grant, it is exempt from the following overhead: 1% administration, 2% interest charges.

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Project Name: **Winnipeg Police Service Communications Systems**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	22xxxxxxyy	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013	2014	2015	2016		
Project Costs ($000's)	-	-	3,390	-	-	-	-	3,390	3,390
Financed by:									
Cash to Capital			3,390					3,390	3,390

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	3,390	-	-	-	-	-	3,390
Financed by:								
Cash to Capital		3,390						3,390

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Technological changes in wireless technology, 911 issues, Voice over Internet Protocol (VoIP), deaf teletype, and data networks require replacement of outdated systems and equipment. This project represents:

1. A change from the current Winnipeg Police Service (WPS) wireless data network to a Mesh Network Solution;

2. Replacement of the existing phone system;

3. Miscellaneous upgrades related to the 911 alternate site. Legislation requires the WPS to provide an alternate communication backup site to ensure continued service should equipment fail during an emergency. Specifically, legislation requires that every Public Safety Answering Point (PSAP) service must have a facility that (a) has a risk assessment carried out in accordance with guidelines approved by the Minister; and (b) can, within one hour, be operational as a PSAP facility to the extent of 80% of the capacity of the PSAP service's primary PSAP facility.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Automated Fingerprint Identification System (AFIS) Replacement**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	2200000711	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013 **	2014	2015	2016		
Project Costs ($000's)	-	179	-	321	-	-	-	321	500
Financed by:									
Cash to Capital		179		321				321	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	179	-	321	-	-	-	-	500
Financed by:								
Cash to Capital	179		321					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A new Automated Fingerprint Identification System (AFIS) was installed in late 2007. Life expectancy of the equipment is approximately 5 years after which time the system hardware may become obsolete and subject to reduced and/or withdrawn maintenance support. If available, maintenance will be more costly as the system ages.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Mobile Laptops**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	22xxxxxxyy	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	1,200	-	-	-	1,200	1,200
Financed by:									
Cash to Capital				1,200				1,200	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,200	-	-	-	-	1,200
Financed by:								
Cash to Capital			1,200					1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The mobile laptop technology in cruiser cars needs to be replaced every 5 to 6 years due to the obsolescence of this equipment and the harsh environment to which they are subjected. Currently there are about 200 mobile laptops in general patrol cars at a cost of $5,000 each. Additional costs are for modem upgrades, brackets and mounting equipment used to attach the laptops to the vehicles. Ergonomically placed laptop computers are critical for prevention of back injuries to police officers.

Project Name: **Officer Mobile Video System**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	22xxxxxxyy	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,000	-	1,000	1,000
Financed by:									
Cash to Capital						1,000		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,000	-	-	1,000
Financed by:								
Cash to Capital					1,000			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

With increasing demands for capturing information when dealing with the public, it appears that at the moment the best way to accomplish this is through an officer mobile video system. The mobile system would be attached to an officer and record all audio and video for a particular interaction. It is estimated that $1,000,000 would be required to outfit approximately 800 officers with this equipment along with storage equipment to archive and maintain the data. It is expected that technology will progress in this area to provide better alternatives when the purchase date arrives.

Project Name: **Radio Upgrade for Districts 3 and 4**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	22xxxxxxyy	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	500	500	500
Financed by:									
Cash to Capital							500	500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	500	-	500
Financed by:								
Cash to Capital						500		500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Police Service conducted an upgrade on a majority of its radios in 2008 and 2009. This submission requests funding to replace radios in District 3 and 4 which were the first ones replaced.

Project Name: **Computer Assisted Dispatch**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	1,800	-	1,800	1,800
Financed by:									
Cash to Capital						1,800		1,800	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	1,800	-	-	1,800
Financed by:								
Cash to Capital					1,800			1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The main Police Service information and communication system will have been in operation for 10 years and at the end of its life cycle. This submission proposes to replace the system.

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Project Name: **Police Division's Systems Upgrades**

Department: Winnipeg Police Service
Project: 22xxxxxxyy

Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	5,016	2,436	300	7,752	7,752
Financed by:									
Cash to Capital					5,016	2,436	300	7,752	7,752

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	5,016	2,436	300	-	7,752
Financed by:								
Cash to Capital				5,016	2,436	300		7,752

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

See description on following page.

WINNIPEG POLICE SERVICE - GENERAL CAPITAL FUND

The Police Service has identified a number of long term information upgrades required including:

In 000s		2011	2012	2013	2014	2015	2016	Total
Independent Internet Access						100		100
Email Exchange Storage						100		100
Document and Management System for Human Resources						150		150
Work Order and Service Desk Tracking System						66		66
Intelligence Led Reporting						500		500
Remedy Replacement Support						60		60
Replacement of Crime Analysis System to help determine trends in crime activities						660		660
Integrated Child Exploitation System Software						500		500
Case Tracking System for Major Crimes						150		150
Electronic Collision Reporting System						150		150
Blackberry Bez and Niche Service Wide Implementation					268			268
Tracking Software					21			21
Digital Interview rooms - previously approved and budgeted					523			523
Comm Centre - Alternate site								
PC and monitor replacement - Alternate site	100							
Replace alternate site Audio Logger	80							
Call check replacement alternate site	80							
Alternate site - Consoles,Furniture, etc.	268				528			528
Comm Centre - New Building					414			414
ITSD requirements for headquarters					993			993
Management, Storage and Archival of Police Information					750			750
Computer Upgrades								
Desktop Software Upgrade	254							
Virtual Server Upgrade	268							
Firewall Upgrade	161							
Replacement of DS4700 Storage Area Network	400				1,083			1,083
Comm Centre - Main Site								
Upgrade consoles main site	100							
Replace monitors main Communication Centre	60							
Replace Main site Audio Logger	80							
Communication centre chair replacements	25							
Console UPS & Battery Replacement main site	10				275			275
Canadian Police Information Centre replacement of authentication software (original implementation 2009)					161			161
East District station upgrade							300	300
		-	-	-	5,016	2,436	300	7,752

Project Name: **West Station Information Technology Requirements**

Department:	Winnipeg Police Service	Capital Priority Rating:	3 - 3
Project:	22xxxxxxyy	Service:	Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Cash to Capital			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Cash to Capital		500						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

West Station Information Technology requirements.

** Supported by Class 1 estimate, see Appendix # 2

Project Name: **North Station Information Technology Requirements**

Department: Winnipeg Police Service
Project: 22xxxxxxyy
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

New District 3 (North Station) Information Technology requirements.

** Supported by Class 1 estimate, see Appendix # 2

Project Name: **Aerial Support Unit**

Department: Winnipeg Police Service
Project: 2200000510
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,492	-	-	-	-	-	-	-	-
Financed by:									
Interim Financing (Repayment)	3,492	(3,492)						-	(3,492)
General Purpose Reserve		3,492						-	3,492

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	-	-	-
Financed by:								
Interim Financing (Repayment)	(3,492)							(3,492)
General Purpose Reserve	3,492							3,492

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	1,348	1,393	1,390
Less:			
Operating expenditures increase/(decrease)	1,348	1,393	1,390
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On January 27, 2010, Council approved the establishment of a Winnipeg Police Service Flight Operations Unit (Helicopter) subject to approval of new incremental funding from the Province of Manitoba for all ongoing annual operating costs, estimated at $1.3 million in 2010 plus cost increases thereafter.

Additional positions were required and have been included in the operating budget estimate noted above. The initial capital cost to purchase the helicopter, a hangar to house the unit, and all related operational equipment is estimated to be $3.492 million.

The purchase of a Police helicopter will produce tangible and intangible benefits to the Police Service and to the citizens of Winnipeg. Benefits of acquiring a helicopter include pursuit management and related liability reduction, increased public safety, officer safety, higher clearance rates, freeing up of other 'on the ground' resources and the ability of the aerial support to serve as a 'force multiplier' (a tool that allows 1 officer to accomplish the work of many).

Project Name: **Police Building Replacement**

Department: Winnipeg Police Service
Project: 633100xx10

Capital Priority Rating: 3 - 3+2
Service: Police Response

AUTHORIZATION	Previous Budgets *	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013	2014	2015	2016		
Project Costs ($000's)	53,893	-	4,100	-	-	-	-	4,100	4,100
Financed by:									
Cash to Capital		891	6,174	3,449	3,449	3,449	3,450	19,971	20,862
Public Private Partnership Lease Payments		(891)	(2,074)	(3,449)	(3,449)	(3,449)	(3,450)	(15,871)	(16,762)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	891	6,174	3,449	3,449	3,449	3,450	108,898	129,760
Financed by:								
Cash to Capital	891	6,174	3,449	3,449	3,449	3,450	108,898	129,760

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		44	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase/(decrease)			143
SURPLUS/(DEFICIT)	-	44	(143)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 2010 Adopted Capital Budget and 2011 to 2015 Five-Year Forecast approved by Council on December 15, 2009 included estimated budget required to procure two district stations including, potentially, property and purchasing the necessary furniture and special equipment needed at each station.

On July 18, 2007, Council approved the award of a public-private partnership (P3) contract for the development and operation of the East District Police Station based on a 30-year lease term.

The above estimates have been prepared by the Public Service based on the P3 contract for the East District Police Station. Costs include estimated procurement, furniture, and special equipment, plus construction inflation and timelines for the development of the West and North District Police Stations.

The above annual cash flow estimates represent lease payments and include technical maintenance, but not utility and other operating maintenance expenses. This capital detail sheet was prepared by Planning, Property and Development.

* Note: "Previous Budget" amount was reduced from $56.721 million in 2010 due to a closing of prior year funding of $2.828 million.

** Supported by Class 3 estimate, see Appendix # 2.

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Project Name: **Winnipeg Police Headquarters**

Department: Winnipeg Police Service
Project: 63xx00xx11
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	35,640	99,360	-	-	-	-	-	-	99,360
Financed by:									
Cash to Capital	26,113							-	-
Interim Financing / (Repayment)	9,527	20,408			(29,935)			(29,935)	(9,527)
Land Operating Reserve					29,935			29,935	29,935
External Debt		78,952						-	78,952

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	24,000	36,180	36,180	3,000	-	-	-	99,360
Financed by:								
Interim Financing (Repayment)	20,408			(29,935)				(9,527)
Land Operating Reserve				29,935				29,935
External Debt	3,592	36,180	36,180	3,000				78,952

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	498		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase/(decrease)	480	1,907	4,939
SURPLUS/(DEFICIT)	18	(1,907)	(4,939)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On November 25, 2009, Council approved the purchase of the Canada Post Building (266 Graham Avenue) at a purchase price of $29,250,000 and that $20,408,000 available from previously approved capital budgets relating to Public Safety Building Recladding/Police Headquarters capital projects as well as interim financing of $9,527,000 to be provided by the City from internal cash flow from the Equity in Capital Assets Fund be used to finance the purchase.

The portion of 266 Graham Ave. known as the Winnipeg Mail Processing Plant (WMPP) is to be redeveloped for the consolidation of certain Winnipeg Police Service (WPS) operations at an estimated cost of $105 million.

The budget for the $105 million redevelopment includes $20,408,000 from the Land Operating Reserve Fund, $5,640,000 in internal financing (cash-to-capital) and $78,952,000 in external financing.

Approval by the Chief Administrative Officer is required prior to any contract award.

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Project Name: **Police Headquarters - Other**

Department: Winnipeg Police Service
Project: 22xxxxxxyy
Capital Priority Rating: 3 - 3
Service: Police Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	10,903	11,199	-	-	22,102	22,102
Financed by:									
External Debt				10,903	11,199			22,102	22,102

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	10,903	11,199	-	-	-	22,102
Financed by:								
External Debt			10,903	11,199				22,102

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project consists of a number of improvements to and/or consolidation of various Winnipeg Police Service units' facilities. These improvements will address the operating requirements of a modern police force in a metropolitan area the size of the City of Winnipeg. Areas impacted include, the Evidence Control Unit, the Technological Crimes / Identification Unit, the Street Crime Unit, and the Central Processing Unit. These significant aspects of the Service require updated modern facilities to maximize operating processes. A number of other operating units will also be impacted by this consolidation.

** Supported by Class 3 estimate, see Appendix # 2.

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Project Name: **Facilities Replacement and Relocation Program**

Department:	Fire Paramedic Service	Capital Priority Rating:	3 - 3
Project:	21000011yy	Service:	Fire and Rescue Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	-	5,000	858	3,000	4,000	12,858	12,858
Financed by:									
Cash to Capital				5,000	858	3,000	4,000	12,858	12,858

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,500	3,358	1,500	3,500	2,000	12,858
Financed by:								
Cash to Capital			2,500	3,358	1,500	3,500	2,000	12,858

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			50
SURPLUS/(DEFICIT)	-	-	(50)

Note: Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges

This project represents the Winnipeg Fire Paramedic Service (WFPS) program for facility replacement, relocation and improvements.

To deal with an infrastructure deficit identified in 2008, the WFPS proposed a two phase approach, with Phase I identifying stations most in need of improvement. Phase I was approved in 2010 and was funded from existing capital authorizations and CMHC loans.

Phase II is provided in this set of forecasted expenditures as follows:

2013/2014

Station # 15 relocation (presently at 1083 Autumnwood Drive)

Station # 19 relocation (presently at 320 Whytewold Road)

2015/2016

Station # 13 relocation (presently at 700 Lilac Street)

New Station (Waverley West Development)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Replacement Radio System**

Department: Fire Paramedic Service
Project: 21000014yy
Capital Priority Rating: 3 - 3
Service: Fire and Rescue Response

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	2,000	4,000	6,000	6,000
Financed by:									
Cash to Capital						2,000	4,000	6,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	2,000	4,000	-	6,000
Financed by:								
Cash to Capital					2,000	4,000		6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Winnipeg Fire Paramedic Service (WFPS) currently operates over 400 radios on the Fleetnet Radio Systems (FRS). The existing vendor will not support the system past 2014, and it is unknown what will replace the FRS across the Province after that. System redevelopment to support the radio system is estimated at $6.0 million, which is to be completed in two phases in 2015/2016.

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Project Name: **Computer Automation**

Department: Planning, Property and Development

Capital Priority Rating: 3 - 3

Project: 6361000411

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	200	-	200	200	-	200	600	800
Financed by:									
Cash to Capital		200		200	200		200	600	800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	200	200	-	200	-	800
Financed by:								
Cash to Capital	200		200	200		200		800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	6		6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	19
SURPLUS/(DEFICIT)	6	(19)	(13)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an on going office automation program. Its primary goals are to deliver cost-effective solutions that provide convenient customer service to our citizens and to improve organizational efficiencies. We can achieve these goals through expansion of online services, office/workflow automation, re-engineering of legacy systems, electronic documents management, and systems integration (e.g. database synchronization) between our own applications and those of other departments.

It is anticipated that maintaining and improving a solid technological framework can provide the basis for organization improvements that increase efficiency and reliability. In order to improve service delivery, we strive to make information more accessible, streamline workflows, and reduce any duplication of efforts. It can also be argued that some initiatives such as electronic document submissions are not only citizen-friendly but environmentally responsible as well.

A general program of ongoing system improvement is suggested and is seen as reasonable to ensure the continued longevity and viability of the City's investment in office automation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Riverbank Greenway Programs**		
Department:	Planning, Property and Development	Capital Priority Rating:	1 - 2
Project:	6351300111	Service:	Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,921	403	400	381	400	400	443	2,024	2,427
Financed by:									
Cash to Capital		403	400	381	400	400	443	2,024	2,427

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	403	400	381	400	400	443	-	2,427
Financed by:								
Cash to Capital	403	400	381	400	400	443		2,427

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	11
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(65)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program supports the acquisition of riverbank lands for the City's linear parkway system and promotes the use of the City's rivers and riverbanks by facilitating public access to rivers and riverbank lands and encouraging the use of Winnipeg rivers for transportation and recreation through the provision of boat launches, docks, pathways, and other accessibility improvements.

Funds provided are for implementation according to the prioritized river segments adopted by Council as opportunities present themselves and as needs dictate. The current top six priority parkways include North Winnipeg, South Winnipeg, Kildonan, Boni-Vital , North Assiniboine, and South Assiniboine, in no particular order.

2011 Proposed Projects:

Boni-Vital Parkway- Winnipeg Canoe Club Connection

South Assiniboine Parkway - Gerald Lynch Park River Access & Dock Improvements

Seine River Greenway - Shorehill to Creek Bend Road Connections

North Assiniboine Parkway - River access project- Construction in Fall 2010/ Spring 2011

North Winnipeg Parkway - Redwood to St. John's Park Connection

Project Name:	**Cemeteries - Improvements**			
Department:	Planning, Property and Development		Capital Priority Rating:	1 - 3
Project:	6322100111		Service:	Cemeteries

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,216	400	300	300	300	360	332	1,592	1,992
Financed by:									
Cash to Capital		300	200	200	200	260	232	1,092	1,392
Veterans Affairs Canada		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	300	300	300	360	332	-	1,992
Financed by:								
Cash to Capital	300	200	200	200	260	232		1,392
Veterans Affairs Canada	100	100	100	100	100	100		600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	48
SURPLUS/(DEFICIT)	9	(23)	(42)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funds are required to supplement funding being received from Veterans Affairs Canada (VAC) under a joint funding project to renovate the Brookside Cemetery. VAC have so far invested $60k in 2007, $120k in 2008, $200k in 2009, $100k in 2010 and a discussion of $100k average for further years to complete the project; further funding is promised but not guaranteed for the next 10 years.

In addition, the Capital funds are required for the purchase and installation of columbaria and other cremation interment facilities at City cemeteries. In the past the investment in columbaria units has generated revenues in excess of 200% of the investment sum. The Transcona Cemetery needs to have installed a cremation garden that will assist in increasing revenues and also the Chapel building is decaying and becoming unsafe, so requires renovation and to include indoor columbaria to generate reveue in support of the cost of funding the building renovation.

Project Name:	**Downtown Enhancement Program**		
Department:	Planning, Property and Development	Capital Priority Rating:	2 - 3
Project:	6351800111	Service:	City Beautification

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	3,418	400	400	400	400	400	400	2,000	2,400
Financed by:									
Cash to Capital		400	400	400	400	400	400	2,000	2,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	400	400	400	400	-	2,400
Financed by:								
Cash to Capital	400	400	400	400	400	400		2,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	12
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(64)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Program objective is the functional and aesthetic improvements and required upgrades to public spaces and streetscapes in the Downtown and Exchange District National Heritage Site. The funds enhance accessibility, safety, comfort and urban design quality of pedestrian environments and fulfill the commitment to the "Downtown First" philosophy. The Downtown Winnipeg Urban Design Guidelines provide the guiding principles to support design and enhance the liveability of Winnipeg's Downtown Urban environment.

The program supports and develops ongoing partnership opportunities for future Public / Private development and redevelopment partnerships and projects such as: Old Market Square, Broadway, Hydro Tower, Millennium Library Park, Bonnycastle Park and the Assiniboine River walk. Projects have traditionally relied on and/or leveraged other partnership opportunities and have supported private redevelopments.

These public open space and streetscape improvements are over and above and exclusive of work assumed by the Public Works, Transit, and Water and Waste Departments who are responsible for existing infrastructure such as curbs, street and sidewalk repairs, street trees, planters, boulevards, required maintenance and accessibility standards.

Priorities in 2011-2016 include but are not limited to: Old Market Square Phase III; Manitoba Hydro Precinct; Bonnycastle Park and Assiniboine River walk; Air Canada Park; Downtown and Exchange District Pedestrian Facilities Enhancements; East Exchange including Manitoba Sports Federation Streetscaping; Broadway; and the Edmonton Street Pedestrian Corridor.

After adoption of the 2010 Capital Budget, Council approved (January 27, 2010), a new capital project "Old Market Square Redevelopment" with a total budget of $1.25 million from the Downtown Enhancement Program, the Government of Canada, Centre Venture Development Corporation and the Winnipeg Foundation was approved and is noted in previous capital.

Council also approved (February 24, 2010) an amendment to 2009 Downtown Enhancement Capital Program Budget by transferring $217,500 from the Planning, Property and Development Department's Non-specified Capital Account to the 2009 Downtown Enhancement program in order to complete the Waterfront Drive Public Art project. Accordingly, the Previous Budgets amount has been restated.

The Millennium Library Park has been the recipient of $575,000 for Public Art from the Cultural Capital of Canada Public Art program. Additional phases of the Park will be funded by the Winnipeg Library Foundation fundraising efforts for a kiosk, southeast plaza, the event plaza and stage.

Project Name: **Community and Neighbourhood Main Streets (BIZ Areas, Streetscaping, Placemaking)**

Department: Planning, Property and Development

Capital Priority Rating: 2 - 3

Project: 6351241511

Service: City Beautification

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	400	400	-	400	-	400	1,200	1,600
Financed by:									
Cash to Capital		400	400		400		400	1,200	1,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	-	400	-	400	-	1,600
Financed by:								
Cash to Capital	400	400		400		400		1,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	12	12	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		38	76
SURPLUS/(DEFICIT)	12	(26)	(76)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The work focuses on the Business Improvement Zones (outside the Downtown), designated image routes and neighbourhood main streets. The funds will be utilized to initiate, partner and implement streetscape initiatives, enhance accessibility, safety, comfort and urban design quality of pedestrian environments. These enhancements are over and above and exclusive of work assumed by the Public Works Department that includes curb, street and sidewalk repairs, and the required maintenance of existing infrastructure including shrub, tree and turf replacement.

This enhancement program will continue in consultation and collaboration with the Winnipeg BIZ Association and in partnership with the private sector to achieve the goal statements of: supporting Community and Neighbourhoods Main Streets (BIZ's) and providing anchors for neighbourhoods and character districts; providing a vibrant environment for both businesses and residents to enhance the image and vitality of our neighbourhoods and our city; ensuring the renewal and sustainment of the infrastructure which creates a sense of place and destination in and along Business Improvement Zones and of Image Routes.

This enhancement program takes the form of decorative medians, pedestrian lighting, banner poles, special entry nodes, special pavement treatments, character signage, plants, trees and site furnishings.

The City of Winnipeg, through the enhancement program, will work with the proponents by having a three phase approach including: Conceptual planning and design development in Phase 1; and a two-year Phase 2 and Phase 3 for tender and construction to allow complementary and partnership funding. The program aligns to have up to three partnered projects moving forward at any given time.

2011 - St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization), Osborne Village BIZ (Concept Plan Development), Grosvenor Square Street Elements Maintenance upkeep

2012 - St. James Village BIZ (Major Project Revitalization), West Broadway BIZ (Major Project Revitalization), Osborne South BIZ (Concept Plan), Old St Vital BIZ (Concept Plan Development), BIZ Zones--Rapid Transit Stations connectivity strategy

2013 - Osborne Village BIZ (Major Project Revitalization), Norwood Grove BIZ (Concept Plan Development)

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Public Art Strategy**		
Department:	Planning, Property and Development	Capital Priority Rating:	1 - 1
Project:	6351400711	Service:	City Beautification

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,100	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Cash to Capital	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
SURPLUS/(DEFICIT)	15	(33)	(80)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On September 24, 2003, Council approved in principle the Public Art Policy of the Mayor's Task Force on Public Art in Winnipeg and directed that the Chief Administrative Officer work in conjunction with WAC (Winnipeg Arts Council) to develop the necessary procedures for implementing the direction of the policy, including but not limited to those areas relating to governance and funding. Council adopted a Public Art Policy on October 27, 2004.

Projects underway:

- United Way/Winnipeg Arts Council Public Art Project for UW's new building
- WITH ART Projects: Eritrean Community; Dorchester House; Resource Assistance for Youth; Unitarian Church Food Bank
- Artist-in-Residence in Community Gardens and Portage Planters
- Central Park
- Osborne Bridge Rehabilitation
- Library Literary Fence
- Cultural Capital Public Art Project

Public Art Strategy (continued):

Projects implemented:

- WITH ART Projects: Immigrant and Refugee Community Organization of Manitoba; Manitoba Urban Native Housing Association; Maternity Care Action Network; Spence Neighbourhood Association; Elwick Community Centre
- Artist-in-Residence Projects: City Archives "Souvenirs"; Living Prairie Museum "lost_landscape"; St. Boniface Museum"iReliquary/ Reliquaire"
- Vimy Ridge Memorial Park "Table of Contents"
- Millennium Library "Untitled" and "The Illumination"
- Downtown BIZ Bike Rack Collaboration
- Assiniboine Park Sculpture "Agassiz Ice"
- Exchange District BIZ Poster Board Collaboration
- Bishop Grandin Greenway "land/mark"
- University of Winnipeg Transit Project "City.Block.Stop"
- Maison des artistes "Monument"

Project Name:	**Land Acquisition for General Unspecified Purposes**		
Department:	Planning, Property and Development	Capital Priority Rating:	3 - 2+2
Project:	6321100111	Service:	Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	300	300	300	300	300	300	1,500	1,800
Financed by:									
Cash to Capital		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Cash to Capital	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	9	9	9
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		29	57
SURPLUS/(DEFICIT)	9	(20)	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

General provision for the annual acquisition of land for purposes other than regional streets and riverbank property. This provides for the acquisition of properties which are unforeseen at this time.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Developer Payback**		
Department:	Planning, Property and Development	Capital Priority Rating:	1 - 1
Project:	6351000211	Service:	Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	734	261	250	203	298	-	202	953	1,214
Financed by:									
Cash to Capital		261	250	203	298		202	953	1,214

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	261	250	203	298	-	202	-	1,214
Financed by:								
Cash to Capital	261	250	203	298		202		1,214

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	8	7	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		25	49
SURPLUS/(DEFICIT)	8	(18)	(43)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg is legally obligated through the approved Development Agreement Parameters to provide payback on older Developer Agreements based on the approved 48/52% split on the development of park costs. The funding formula is that the City of Winnipeg contributes 52% to the park development costs. Additionally, these funds will cover provision of basic amenities that are more cost-effective and practical to install at the time of initial development (such as pathways, lighting, tree planting) particularly for linear park developments.

Applications from some of the outstanding (older) agreements are now being received due to the current build out.

Calculations based on industry consultation and the actual reviewed costs of works as they are completed each calendar year. Capital requirements are updated on an ongoing basis.

Project Name: **Riverbank Stabilization - Physical Asset Protection**

Department: Planning, Property and Development

Capital Priority Rating: 3 - 4

Project: 6351300211

Service: Parks and Urban Forestry

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,800	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Financed by:									
Cash to Capital	1,900			1,000	1,000	1,000	1,000	4,000	4,000
Manitoba Winnipeg Infrastructure Program (MWIP)	3,900	1,000	1,000					1,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000
Financed by:								
Cash to Capital			1,000	1,000	1,000	1,000		4,000
Manitoba Winnipeg Infrastructure Program (MWIP)	1,000	1,000						2,000

	2011	2012	2013
Revenue increase/(decrease)	29	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		95	190
SURPLUS/(DEFICIT)	29	(66)	(161)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In 2000, the Riverbank Stability Characterization Study identified stability conditions of 106 km of City owned riverbank property which comprises approximately 45% of all such property within The City of Winnipeg. Inasmuch as costs to effectively stabilize all City owned river and creek banks requires a significant funding commitment of $80 million (2000 dollars), "first phase" priority sites were established in the report for purposes of the City implementing stabilization along the most critical sections of riverbank. Four priority sites have been stabilized to date, namely, Annabella Street to May Street (2003), St. John's Park (2006), Bunn's Creek (2006) and St. Vital Park (2008) at a total cost of approximately $4.0 million.

Riverbank Stabilization (continued):

The Planning, Property & Development Department, in collaboration with the University of Manitoba, developed a Geographic Information System (GIS) Riverbank Asset Management System which systematically updated the priority sites listing in 2009 for all City owned riverbank property based on assigned engineering attributes as follows:

Site	Amount
Red River - Churchill Park (Montague to Cockburn)	2,620,000
Red River - King's Park (Outside Bend)	2,770,000
Red River - Guay Park	1,110,000
Red River - King's Park	1,460,000
Red River - Minnetonka at River Road	430,000
Red River - River to Rivergate	1,780,000
Red River - Canoe Club	3,570,000
Red River - St. Mary's at Perimeter	3,610,000
Red River - Crescent Park	1,010,000
Red River - St. Vital Cemetery	2,100,000
Red River - Glasgow to Brandon	1,040,000
Red River - Lyndale Drive	1,650,000
Total:	23,150,000

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Project Name: **Building Communities Initiative II**

Department: Planning, Property and Development

Capital Priority Rating: 2 - 4

Project: 6351200011

Service: Neighbourhood Revitalization

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	9,500 *	2,000	2,000	2,000	2,000	2,500	2,100	10,600	12,600
Financed by:									
Cash to Capital		1,000	1,000	1,000	1,000	1,250	1,050	5,300	6,300
Manitoba Winnipeg Infrastructure Program (MWIP)		1,000	1,000	1,000	1,000	1,250	1,050	5,300	6,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	2,000	2,000	2,000	2,500	2,100	-	12,600
Financed by:								
Cash to Capital	1,000	1,000	1,000	1,000	1,250	1,050		6,300
Manitoba Winnipeg Infrastructure Program (MWIP)	1,000	1,000	1,000	1,000	1,250	1,050		6,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	29	29	29
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		95	190
SURPLUS/(DEFICIT)	29	(66)	(161)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Building Communities Initiative II (BCI) is a capital expenditure program that invests in community infrastructure in Winnipeg's neighbourhoods. The program's goals are to improve living conditions in Winnipeg's neighbourhoods where capital improvements in parks, community facilities, municipal infrastructure, and crime prevention initiatives will have lasting, long-term benefits to the neighbourhood and the larger urban community.

A two Phase $20 million "Building Communities II" Agreement between the City of Winnipeg and Province of Manitoba was executed on May 27, 2010.

Approved Capital funding to 2010 ($9.5 million) reflects commitments to BCI II- Phase One (2010-2012) projects, including 21 approved projects and 18 endorsed projects by BCI Policy Committee as at May 25, 2010.

* Amount has been adjusted to reflect previous funding for BCI I and has been reduced $400,000 as a result of December 16, 2008 Council Recommendation.

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Project Name: **General Building Renovation and Refurbishing**

Department: Municipal Accommodations   Capital Priority Rating: 3 - 3

Project: 633100002yy   Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	500	500	500	500	500	500	2,500	3,000
Financed by:									
Cash to Capital		500	500	500	500	500	500	2,500	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	500	-	3,000
Financed by:								
Cash to Capital	500	500	500	500	500	500		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		48	95
SURPLUS/(DEFICIT)	15	(33)	(80)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an ongoing program to fund small corporate moves, minor interior renovations, and other miscellaneous projects for which no other separate financing is available. Fundamental to productivity gain: for corporate renovations, moves, etc. which facilitate client changes/ activities.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Accommodation Facilities**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 2+2

Project: 63310006yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	1,100	1,100	2,200	1,830	2,100	1,820	9,050	10,150
Financed by:									
Cash to Capital		1,100	1,100	2,200	1,830	2,100	1,820	9,050	10,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,100	1,100	2,200	1,830	2,100	1,820	-	10,150
Financed by:								
Cash to Capital	1,100	1,100	2,200	1,830	2,100	1,820		10,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	32	32	64
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		105	209
SURPLUS/(DEFICIT)	32	(73)	(145)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or improvements to various Accommodations facilities and includes interior, accessibility, elevator, escalator, heating, ventilation, air conditioning, electrical, plumbing, parking lot, building envelope and structural improvements.

Projects for 2011 include the following:

Accessibility improvements - 510 Main Street, 20 Westgate, 500 Salter and various sites

Elevator Refurbishment - 510 Main Street

Parking lot refurbishment - 130 Allard, 700 Assiniboine Park Dr., 2546 McPhillips and various sites

Roof Refurbishment - 1360 Pembina and various sites

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fire/Life Safety/Regulatory Upgrades**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4

Project: 63310004yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	525	549	525	1,125	725	625	3,549	4,074
Financed by:									
Cash to Capital		525	549	525	1,125	725	625	3,549	4,074

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	525	549	525	1,125	725	625	-	4,074
Financed by:								
Cash to Capital	525	549	525	1,125	725	625		4,074

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	16	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		50	102
SURPLUS/(DEFICIT)	15	(34)	(87)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for Fire/Life Safety/Regulatory Requirements which includes upgrading/replacement of fire safety systems, emergency lighting, regulatory upgrades, asbestos and other hazardous material abatement as identified through the Asset Management program for various facilities to meet the requirements of Fire/Building Codes and changing Government Regulations. Facilities include all recreation facilities and accommodation facilities.

Projects for 2011 include the following:

Fire alarm/gas detection upgrades various facilities

Asbestos abatement various facilities

Miscellaneous projects

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Energy Conservation**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4

Project: 63310006yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	150	200	100	100	750	750
Financed by:									
Cash to Capital			200	150	200	100	100	750	750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	150	200	100	100	-	750
Financed by:								
Cash to Capital		200	150	200	100	100		750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		4	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			14
SURPLUS/(DEFICIT)	-	4	(8)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is part of a continuing initiative to reduce energy consumption.

Optimizes operational savings.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Civic Centre Car Park Tunnel**

Department: Municipal Accommodations
Capital Priority Rating: 3 - 3
Project: 63310001yy
Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	200	-	-	-	100	300	300
Financed by:									
Cash to Capital			200				100	300	300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	100	-	300
Financed by:								
Cash to Capital		200				100		300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		6	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			19
SURPLUS/(DEFICIT)	-	6	(19)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Structural repairs, waterproofing, and restoration to the underground tunnel between the Car Park and the Civic Centre are required. The estimate contained for 2012 provides for the associated engineering costs only.

Major structural repairs will be required.

Project Name:	**Tenant Improvement Prepayment - Major Department**			
Department:	Municipal Accommodations		Capital Priority Rating:	3 - 4
Project:	63310023yy		Service:	Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	500	-	-	200	200	900	900
Financed by:									
Cash to Capital			500			200	200	900	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	200	200	-	900
Financed by:								
Cash to Capital		500			200	200		900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		15	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
SURPLUS/(DEFICIT)	-	15	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds set aside for replacement of depreciated tenant improvements.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Historic Buildings**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 2

Project: 63310007yy

Service: Heritage Conservation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	200	200	200	200	200	1,000	1,000
Financed by:									
Cash to Capital			200	200	200	200	200	1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	200	200	200	200	-	1,000
Financed by:								
Cash to Capital		200	200	200	200	200		1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			19
SURPLUS/(DEFICIT)	-	6	(13)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg has a substantial inventory of historic buildings that are steadily deteriorating. This program will provide for structural planning and remediation of further deterioration.

Major structural repairs may be required.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Generator Set Replacement and Upgrades**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4+2

Project: 63xxxxxxyy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	800	-	200	-	1,000	1,000
Financed by:									
Cash to Capital				800		200		1,000	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	800	-	200	-	-	1,000
Financed by:								
Cash to Capital			800		200			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	24

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing emergency generator sets in a number of accommodations facilities are coming to the end of their useful life.

Maintenance costs are rising and there is a possibility of existing generators not functioning as intended in future power outages.

Present Building Codes require additional equipment, needed for fire and life safety purposes, to be supplied with backup power from a generator.

Mission critical operations within these facilities require backup power which exceeds the capacity of existing generator sets.

Building occupants are requesting backup power for their information technology operations which existing generator sets are not able to provide.

Project Name: **Security/Building Automation System Initiatives**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4+2

Project: 63310026yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	700	125	125	225	225	225	140	940	1,065
Financed by:									
Cash to Capital		125	125	225	225	225	140	940	1,065

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	125	125	225	225	225	140	-	1,065
Financed by:								
Cash to Capital	125	125	225	225	225	140		1,065

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		12	24
SURPLUS/(DEFICIT)	3	(9)	(18)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Security/Building Automation systems include: HVAC controls, security systems and building access and monitoring systems.

Security has been noted as an ongoing concern within all facilities. Enhanced security will reflect the evolving risk management needs to protect City staff and property from potential injury and loss and reduce legal liability. Possible upgrades may include security system improvements, system upgrades, access control and surveillance systems.

Present HVAC controls in buildings are aging and require replacement or upgrading to current standards. Up to date building HVAC controls are required for occupant comfort and contribute to reductions in energy consumption.

Project Name:	**Community Centres - Refurbishing and Improvements**		
Department:	Municipal Accommodations	Capital Priority Rating:	1 - 4
Project:	63900001yy	Service:	Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	910	500	500	700	700	700	3,100	4,010
Financed by:									
Cash to Capital		910	500	500	700	700	700	3,100	4,010

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	910	500	500	700	700	700	-	4,010
Financed by:								
Cash to Capital	910	500	500	700	700	700		4,010

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	27	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		87	134
SURPLUS/(DEFICIT)	27	(72)	(119)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and improvements of Community Centres (CC).

Projects for 2011 include the following:

Roofing / Building Envelope / Structural Upgrades: West Kildonan CC, Richmond Kings CC, Oxford Heights CC	250
Parking Lot / Site Drainage / Hard Surface Building Access Upgrades: Dakota CC, Richmond Kings CC	250
Expansion/renovation of Lindenwoods CC	410
Total	910

On April 27, 2011 Council adopted a report to consolidate $410,000 from the 2011 Community Centre Refurbishment and Improvement program with additional funding of $2.34 million to establish a $2.75 million "Linden Woods Community Centre (LWCC) Gymnasium Project" budget. The additional funding consisted of $1.15 million from the City of Winnipeg, $961,011 from the Recretional Infrastructure Canada (RINC) program and $228,989 from LWCC.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Arenas**		
Department:	Municipal Accommodations	Capital Priority Rating:	1 - 4
Project:	63910001yy	Service:	Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	525	525	525	525	525	525	2,625	3,150
Financed by:									
Cash to Capital		525	525	525	525	525	525	2,625	3,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	525	525	525	525	525	525	-	3,150
Financed by:								
Cash to Capital	525	525	525	525	525	525		3,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	15	15	15
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		50	100
SURPLUS/(DEFICIT)	15	(35)	(85)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or improvements to various indoor arenas including ice plant component replacement, interior improvements, heating, ventilation and electrical improvements, replacements of rink components, building envelope and structural improvements.

Projects for 2011 include the following:

Roof Replacement - Maginot arena

Glue Lam Beam Repairs - Terry Sawchuk arena

Refurbishments - various arenas

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Indoor Aquatic Facilities**

Department: Municipal Accommodations

Capital Priority Rating: 1 - 4

Project: 63920001yy

Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	2,240	2,530	2,530	2,530	2,530	2,530	12,650	14,890
Financed by:									
Cash to Capital		2,240	2,530	2,530	2,530	2,530	2,530	12,650	14,890

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,240	2,530	2,530	2,530	2,530	2,530	-	14,890
Financed by:								
Cash to Capital	2,240	2,530	2,530	2,530	2,530	2,530		14,890

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	19	74	74
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		233	474
SURPLUS/(DEFICIT)	19	(159)	(400)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and replacement of deteriorated building components/systems to selected aquatic facilities due to safety issues and aging building systems.

Projects for 2011 include the following:

Accessibility upgrades - Margaret Grant, Elmwood-Kildonan, Pan-Am

Replace tile on deck - Margaret Grant

Pool Tank refurbishment - Seven Oaks and Elmwood Kildonan

DE Filter tank repairs - St. James Centennial

Main entrance replacements, doors C/W card access, new enclosure - Elmwood Kildonan, Seven Oaks, Transcona Centennial

Carpet, Sports flooring, tile refurbishment - various locations

Parking lot refurbishment - Design complete - Elmwood Kildonan

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Outdoor Aquatic Facilities**		
Department:	Municipal Accommodations	Capital Priority Rating:	1 - 4
Project:	63930001yy	Service:	Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	350	350	350	330	330	350	1,710	2,060
Financed by:									
Cash to Capital		350	350	350	330	330	350	1,710	2,060

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	350	350	350	330	330	350	-	2,060
Financed by:								
Cash to Capital	350	350	350	330	330	350		2,060

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	10	10	10
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		33	67
SURPLUS/(DEFICIT)	10	(23)	(57)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishing/improvements to various outdoor facilities including wading pool basins, slide components, outdoor swimming pool tanks, mechanical systems and pool decks required due to aging building infrastructure.

Projects for 2011 include the following:

Security and building automation installation and upgrades - Kildonan Park, Transcona, Westdale and Freighthouse

Roof replacement - various facilities

Wading pool refurbishment - various

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Community Facilities**

Department: Municipal Accommodations

Capital Priority Rating: 1 - 4

Project: 63940001yy

Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	410	200	200	200	200	200	1,000	1,410
Financed by:									
Cash to Capital		410	200	200	200	200	200	1,000	1,410

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	410	200	200	200	200	200	-	1,410
Financed by:								
Cash to Capital	410	200	200	200	200	200		1,410

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	6	6	6
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		19	38
SURPLUS/(DEFICIT)	6	(13)	(32)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program is for refurbishment and/or replacement of building components and systems to meet safety and health concerns and correct deteriorating infrastructure at shops, leisure centres, etc.

Projects for 2011 include the following:

625 Osborne - continued building system refurbishment

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Building Asset / Work Management Program**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4

Project: 63900010yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	100	100	100	200	200	162	762	862
Financed by:									
Cash to Capital		100	100	100	200	200	162	762	862

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	200	200	162	-	862
Financed by:								
Cash to Capital	100	100	100	200	200	162		862

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	3
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		10	19
SURPLUS/(DEFICIT)	3	(7)	(16)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Auditor presented the Public Works Asset Management Audit - Part 2 Facilities Maintenance in June 2006. The Audit made a number of recommendations relative to the development of an asset management/work management program and linking to other division/ corporate programs. This funding provides for the ongoing program of building assessment/inspection to ensure building condition data is current, and ongoing improvements to the division's work management program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **UFF - Hockey Pen Light Standard Replacement**

Department:	Municipal Accommodations	Capital Priority Rating:	1 - 4
Project:	63900020yy	Service:	Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	100	100	100	100	100	100	500	600
Financed by:									
Cash to Capital		100	100	100	100	100	100	500	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	100	100	100	-	600
Financed by:								
Cash to Capital	100	100	100	100	100	100		600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	3	3	3
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		10	19
SURPLUS/(DEFICIT)	3	(7)	(16)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The replacement of hockey pen light standards at various locations has been determined to be the City's responsibility under the Universal Funding Formula (UFF) with the Community Centres. As such, this program is intended to replace hockey pen light standards and bases in consideration of workplace safety and health issues, utilization of such hockey pens, number of pens at the specific site, and the Recreation and Leisure Facilities (RALF) policy context.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Back to Capital Projects Summary

Project Name: **Recreation and Leisure Facilities**

Department: Municipal Accommodations

Capital Priority Rating: 1 - 4

Project: 63990001yy

Service: Recreation

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	43,760	-	-	-	-	-	-	-	-
Financed by:									
Cash to Capital		8,000						-	8,000
General Purpose Reserve (Repayment)		(8,000)						-	(8,000)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	-		-
Financed by:								
Cash to Capital	8,000							8,000
General Purpose Reserve (Repayment)	(8,000)							(8,000)

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	160		
Less:			
Operating expenditures increase/(decrease)	486	486	
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(326)	(486)	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

On June 29, 2005, Council approved $43 million for recreation and leisure facilities. The City's Recreation and Leisure Facilities Policy was adopted on May 18, 2005. The timelines for projects were finalized each year through the capital budget process considering priorities, project readiness, and financial/operational capacity.

Funds are allocated to the Community Centre Investment Fund as well as administration and overhead charges.

Project Name:	**University of Winnipeg - Soccer Complex**

Department: Municipal Accommodations

Capital Priority Rating: 3 - 4

Project: 63900010yy

Service: Property Asset Management

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	-	2,000
Financed by:									
Capital Grant - Proceeds from Glacial Sand and Gravel		2,000						-	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	-	-	-	-	-	-	2,000
Financed by:								
Capital Grant - Proceeds from Glacial Sand and Gravel	2,000							2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This $2 million grant represents a contribution by the City of Winnipeg toward the cost of an indoor soccer field to be included in a new recreation facility located at the University of Winnipeg.

The new recreation facility is to be constructed alongside Spence Street between the Duckworth Centre and the new bus loop near Portage Avenue (Spence Street Promenade).

As this project is a Capital grant it is exempt from the 1% administration overhead charge. The 2% short-term interest charge is also not applicable as the funding source is other than cash-to-capital.

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Project Name: **Corporate Records Centre**

Department: City Clerks
Project: 0400000912

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012 **	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	575	-	150	-	-	-	-	150	150
Financed by:									
Cash to Capital			150					150	150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	150	-	-	-	-	-	150
Financed by:								
Cash to Capital		150						150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		5	14
SURPLUS/(DEFICIT)	-	(5)	(14)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Clerk's Department has a corporate responsibility for records management services and archives as outlined in the City of Winnipeg Charter. To date, temporary record storage has taken place at 380 William Avenue. The facility is now at maximum capacity, forcing departments to utilize private records storage centers. Departments are bound by by-law to keep records for a specific period of time.

In order to provide a more centralized and more cost effective records management storage services, the City Clerk's Department will renovate a portion of a city owned warehouse at 311 Ross Avenue to accommodate records storage. The area will remain a warehouse but requires some repairs to floors and walls, upgraded lighting and security, and installation of shelving. The records center opened in August of 2007.

Ongoing upgrades are expected at the 5-year mark to meet anticipated demand for corporate records. These will include a review with departments on practices, procedures and charge backs. Expansion of storage capabilities will be undertaken, especially in the area of oversized and specialty records.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Election Systems**

Department: City Clerks
Project: 0400000511

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	-	-	150	200	-	-	350	350
Financed by:									
Cash to Capital				150	200			350	350

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	150	200	-	-	-	350
Financed by:								
Cash to Capital			150	200				350

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			5
SURPLUS/(DEFICIT)	-	-	(5)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In accordance with the Department's statutory responsibility to compile a List of Electors and convene elections, every four years the Department ensures the renewal of equipment and systems used in Election processes.

As some of the systems are only used every 4 years, they require either extensive renovations or complete rewrites to allow them to function with changed systems, networks and databases. In the past, this has involved corporate mainframes and a large number of staff hours. For the 2010 Election the City Clerk's Department ensured systems were operational using in-house resources and contract personnel, and by purchasing ready made systems from election partners such as our voting machine partner Election Systems and Software and our voters list partners Elections Canada and Elections Manitoba.

Systems which will need to be upgraded / revitalized for the 2014 Election include the List of Electors system, GIS mapping systems, election night reporting systems and web sites, especially those utilizing the Internet for more effective communication with candidates, media and the public.

A similar effort will be required for the 2018 election.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **City Archives**

Department: City Clerks
Project: 0400000111

Capital Priority Rating: 5 - 4
Service: Council Services

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013 **	2014	2015	2016		
Project Costs ($000's)	500	500	500	500	500	500	-	2,000	2,500
Financed by: Cash to Capital		500	500	500	500	500		2,000	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	500	500	-	-	2,500
Financed by: Cash to Capital	500	500	500	500	500			2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	90	143
SURPLUS/(DEFICIT)	(15)	(90)	(143)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City Archives, located at 380 William Avenue, was opened as the City's first library in the early 20th century. The building currently serves as a repository for storage of the City's historical information and has done so since 1977. The structure was designated a heritage building in 1984. Protected elements include the front rooms on the first and second floors, the building exterior and the iron fence surrounding the property.

The building until recently acted as the City's record centre. Deflection of second floor beams and a potential for collapse have resulted in much of the records storage / weight being removed from the second floor of the building and transferred to 311 Ross. A consultant's report has identified several issues with the building including the need to address the load bearing capacity of the second floor, ensuring appropriate repairs to the Tyndall Stone facade, ensure adequate waterproofing for the roof and foundation, as well repair / replacement of windows. Also identified are a lack of fire suppression systems and lack of wheelchair ramps in the building. These issues will be addressed over a series of years based on priority with the final year of funding being 2015.

The most pressing immediate need is repair of the iron fence surrounding the property. Due to the historic designation of the property and the fence, the fence needs to be rebuilt in the same manner as existing, rather than simply be removed or rebuilt in wood.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Manitoba Children's Museum Capital Renewal Project**

Department: City Clerks
Project: 0400001311

Capital Priority Rating: 1 - 4
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
General Purpose Reserve		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
General Purpose Reserve	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This grant of $100,000 is to be provided to the Manitoba Children's Museum to support their capital renewal project.

Project plans for renewal include:

- a new Welcome Centre, providing upgraded admission amenities, as well as providing needed safety and security for the youngest visitors and serving as a gathering place;
- 12 innovative, creative, multi-level galleries in an holistic environment, offering open-ended play and discovery opportunities;
- a fully dedicated toddler area to meet the needs of our youngest and most treasured adventurers; and
- a multi-functional Arts and Exhibition Centre for travelling exhibits, special events, performances and rentals along with three educational classrooms for programs and workshops.

As this is a capital grant, it is exempt from the following overheads, 1% administration and 2% interest charges.

** Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Le Cercle Molière Theatre Facility**

Department: City Clerks
Project: 0400001411

Capital Priority Rating: 1 - 4
Service: Arts, Entertainment and Culture

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	50	-	-	-	-	-	-	50
Financed by:									
General Purpose Reserve		50						-	50

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	50	-	-	-	-	-	-	50
Financed by:								
General Purpose Reserve	50							50

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This grant of $50,000 is to be provided to Le Cercle Molière to support the construction of a new 19,000 square foot theatre facility.

The new theatre will be designed for small audiences of up to 125 people. With maximum flexibility in mind, non-fixed seating and platforms will be designed to allow unorthodox stage configurations as required by each production. State-of-the-art acoustic, lighting and sound systems will provide the infrastructure for a new era of exploration and artistic excellence.

As this is a capital grant, it is exempt from the following overheads, 1% administration and 2% interest charges.

** Supported by Class 1 estimate, see Appendix # 2.

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Project Name: **Time and Labour**

Department: Corporate Support Services

Capital Priority Rating: 5 - 4

Project: 3459000011

Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	250	500	-	-	-	-	-	-	500
Financed by:									
Cash to Capital		500						-	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	-	-	-	-	-	-	500
Financed by:								
Cash to Capital	500							500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	15	45	48
SURPLUS/(DEFICIT)	(15)	(45)	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital funding is required for a business review, development and implementation of a Consolidated Time and Labour Model for the City of Winnipeg. The review will identify opportunities for improvement of current systems, identify applications that can be consolidated and improve operating processes and procedures. Recommendations and project implementation will provide system improvements, increase economy, efficiency and effectiveness related to the recording and reporting of time and labour through centralization of this function.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Consolidated Data Warehouse / Business Intelligence**

Department:	Corporate Support Services	Capital Priority Rating:	2 - 3
Project:	3456000011	Service:	Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	925	-	169	153	218	203	743	1,668
Financed by:									
Cash to Capital		925		169	153	218	203	743	1,668

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	925	-	169	153	218	203	-	1,668
Financed by:								
Cash to Capital	925		169	153	218	203		1,668

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	28	83	93
SURPLUS/(DEFICIT)	(28)	(83)	(93)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ability to accurately and consistently report data from many applications is becoming increasingly important. The Data Warehouse/ Business Intelligence initiative will provide the base from which many application systems and their data can be brought together to provide reporting capability as the City moves toward a more service based view of its operation.

Included in this program is a project to build a single repository of data to enable the City's systems to link with the Provincial system for the sharing of common Business Identification Numbers. This starts the process of consolidating all business data in the city, resulting in cost-savings and efficiencies. The initiative to a common Business Identification Number satisfies the Red Tape Commission's recommendation number 6.1 - Standardized Business numbers.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name:	**Communications Network Infrastructure**		
Department:	Corporate Support Services	Capital Priority Rating:	2 - 4
Project:	3401000011	Service:	Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	638	593	277	541	566	553	2,530	3,168
Financed by:									
Cash to Capital		638	593	277	541	566	553	2,530	3,168

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	481	557	470	541	566	553	-	3,168
Financed by:								
Cash to Capital	481	557	470	541	566	553		3,168

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	14	60	113
SURPLUS/(DEFICIT)	(14)	(60)	(113)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Communications Network Infrastructure is the implementation and enhancement of the backbone network infrastructure which connects the decentralized computers in Civic Departments. This is a high speed infrastructure to enable the sharing and distribution of corporate information across departments with more management, control, flexibility, and ease of use at the department level. Information could be processed and stored on lower cost computers in or for departments and made accessible city-wide through the network infrastructure. The infrastructure would extend the availability of applications such as e-mail and internet to all departments.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Network Computing Initiatives**

Department: Corporate Support Services

Capital Priority Rating: 3 - 4

Project: 3402000011

Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	211	213	213	212	212	212	1,062	1,273
Financed by:									
Cash to Capital		211	213	213	212	212	212	1,062	1,273

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	211	213	213	212	212	212	-	1,273
Financed by:								
Cash to Capital	211	213	213	212	212	212		1,273

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	25	47
SURPLUS/(DEFICIT)	(6)	(25)	(47)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Network Computing Initiatives are emerging multi-tiered infrastructure, internet/intranet servers and other similar network based computing technologies that are required to implement both corporate and departmental initiatives in support of shared quality customer information services. Specific initiatives include hardware, software, and physical facilities protecting the City's networks and key systems from single site disasters, security products to address the ever growing computer virus and "spam" outbreaks, and re-organization assistance to efficiently manage new environment paradigms.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **E-Government**

Department: Corporate Support Services

Capital Priority Rating: 2 - 3

Project: 3453000011

Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	310	467	629	655	603	573	2,927	3,237
Financed by:									
Cash to Capital		310	467	629	655	603	573	2,927	3,237

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	310	467	100	1,184	603	573	-	3,237
Financed by:								
Cash to Capital	310	467	100	1,184	603	573		3,237

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	9	42	77
SURPLUS/(DEFICIT)	(9)	(42)	(77)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

E-Government supports projects that use information technology to support the provision of e-government services. It covers a broad spectrum of initiatives that typically fall into two main categories: 1. Providing better service to citizens (i.e. 24 X 7, self-service options); and 2. Providing services more efficiently and effectively, translates into productivity gains and reduced costs. These funds will be used to provide applications to improve the City's Internet site and to provide better and new electronic services to citizens. In addition, the funds will be used to purchase software to support the development of citizen self-service applications on the web. This software includes content management software, portal software, and single sign-on and authentication software.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **PeopleSoft Upgrade**

Department: Corporate Support Services

Capital Priority Rating: 2 - 3

Project: 3455000011

Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012 **	2013 **	2014	2015	2016		
Project Costs ($000's)	-	1,500	1,000	200	-	-	-	1,200	2,700
Financed by:									
Cash to Capital		1,500	1,000	200				1,200	2,700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,500	1,000	200	-	-	-	-	2,700
Financed by:								
Cash to Capital	1,500	1,000	200					2,700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	48	180	267
SURPLUS/(DEFICIT)	(48)	(180)	(267)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City is committed to renewing its PeopleSoft investment every four years to take advantage of new functionality and remain current with supplier's support.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **311 Renewal**

Department: Corporate Support Services

Capital Priority Rating: 2 - 2

Project: 3457000013

Service: Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	300	646	729	335	2,010	2,010
Financed by:									
Cash to Capital				300	646	729	335	2,010	2,010

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	300	646	729	335	-	2,010
Financed by:								
Cash to Capital			300	646	729	335		2,010

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			9
SURPLUS/(DEFICIT)	-	-	(9)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City is committed to renewing its Call Center application investment every five years to take advantage of new functionality and remain current with supplier's support. The City is expected to significantly change the customer relationship management and telephone software applications in 2014 - 2015.

Project Name:	**Asset Management Program**		
Department:	Corporate Support Services	Capital Priority Rating:	2 - 2
Project:	34XXXXXXXX	Service:	Organizational Support Services

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	200	-	-	-	-	-	-	200
Financed by:									
Cash to Capital		200						-	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	-	-	-	-	-	200
Financed by:								
Cash to Capital	200							200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	18	19
SURPLUS/(DEFICIT)	(6)	(18)	(19)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

As noted in Recommendation #10 of the Report on Redesigning the City of Winnipeg's Internal Services accepted by the Senior Management Team July 14th, 2010, the City is planning to move forward with a standard tool to record and manage its information technology assets. Capital expenditures that provide long lasting benefit to the City would include software, hardware, conversion effort from existing multi-source systems, and a temporary secondment or consulting efforts.

The City's implementation of a Computer Work Management System for the Communication Systems Branch by leveraging the City's existing investment in Maximo, will provide a more efficient and accurate tool to help manage the complex inventory of telecommunication components and work orders from various city departments including Winnipeg Police Service.

** Supported by class 3 estimate, see Appendix # 2.

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Project Name: **Assessment Automation**

Department: Assessment & Taxation
Project: 1400000111
Capital Priority Rating: 3 - 3
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	500	-	-	750	500	1,750	1,750
Financed by:									
Cash to Capital			500			750	500	1,750	1,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	750	500	-	1,750
Financed by:								
Cash to Capital		500			750	500		1,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			48
SURPLUS/(DEFICIT)	-	-	(48)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Assessment Automation project generally includes initiatives focused on improving the efficiency and the effectiveness of the assessment and taxation functions through the appropriate use of automation. Funding in 2012 is to complete the NeoCAMA project for the upgrade of our core valuation system (CAMA or Computer-Aided Mass Appraisal). The CAMA system is used to capture and maintain detailed sales, financial, and physical characteristic information about all properties and businesses in the City of Winnipeg. The information is used to calculate fair and equitable assessed values for all properties and businesses. These assessed values are then used to calculate the yearly municipal, school and business taxes, as well as tax adjustments throughout the year.

The funding in 2015-16 is for further system upgrades and rehabilitation to the Manta system and other key assessment and taxation systems including electronic document and record management, quality systems, acquisition of property images including high resolution aerial images, and integration of PADIView with other key applications. The Manta system includes the tax billing information and accounts receivable for all properties in the City of Winnipeg. This system is integral to the annual tax billing process and is used in all taxation processes including realty and business tax billings, accounts receivable, Tax Instalment Payment Plan, Local Improvements, Tax Sale, and customer service. The Manta program is now eleven years old in 2010. It is prudent to budget funding in future years to review the sustainability of the current system and prepare for replacement/rehabilitation.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Capital Investment Fund**

Department: Corporate
Project: 1200000111

Capital Priority Rating: 3 - 2
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	7,899	-	150	-	-	-	150	8,049
Financed by:									
Cash to Capital		7,899		150				150	8,049

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	7,899	-	150	-	-	-	-	8,049
Financed by:								
Cash to Capital	7,899		150					8,049

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding to support various projects/initiatives including those delivered under alternative delivery methods, including the design, build, finance, maintain approach.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Asset Management Initiative**

Department: Corporate Finance
Project: 120000xx12

Capital Priority Rating: 3 - 1
Service: Assessment, Taxation and Corporate

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	100	-	-	-	-	100	100
Financed by:									
Cash to Capital			100					100	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	100	-	-	-	-	-	100
Financed by:								
Cash to Capital		100						100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			10
SURPLUS/(DEFICIT)	-	-	(10)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Asset Management Program will ensure departments are following leading practices in asset management. The benefits include freeing up limited capital budget funds and shifting funds to highest priority areas based on life cycle costing, risk and triple bottom line approaches.

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Project Name: **Fare Collection System**

Department: Transit
Project: 4230001409

Capital Priority Rating: 3 - 4
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	12,870	2,370	-	-	-	-	-	-	2,370
Financed by:									
Cash to Capital	3,601	4,639						-	4,639
Manitoba Winnipeg Infrastructure Program (MWIP)	6,769	231						-	231
Interim Financing (Repayment)	2,500	(2,500)						-	(2,500)

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,370	-	-	-	-	-	-	2,370
Financed by:								
Cash to Capital	4,639							4,639
Manitoba Winnipeg Infrastructure Program (MWIP)	231							231
Interim Financing (Repayment)	(2,500)							(2,500)

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	66		
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		421	438
SURPLUS/(DEFICIT)	66	(421)	(438)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing fare collection system is many decades old and limits flexibility in the type of fares that can be offered to passengers. A review has been conducted on the best options suited for the City's public transit system. This capital project will authorize capital investments that may include replacing existing fareboxes with automatic validating electronic fareboxes equipped with integrated electronic fare card readers. This type of farebox would collect, secure, reliably count and report all fare payments. The electronic fare card reader will allow more extensive use of prepaid fares and provide a better defense against potential counterfeiting of passes, tickets and the misuse of transfers.

Estimated useful life - Twenty years.

Project Name: **Innovative Transit Program**

Department: Transit
Project: 423000xxyy

Capital Priority Rating: 3 - 2
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A *	-	800	800	800	800	1,000	4,200	4,200
Financed by:									
Cash to Capital			800	800	800	800	1,000	4,200	4,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	800	800	800	800	1,000	-	4,200
Financed by:								
Cash to Capital		800	800	800	800	1,000		4,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		24	24
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			114
SURPLUS/(DEFICIT)	-	24	(90)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Innovative Transit Program provides for various projects which are not normally funded through the operating budget or other areas of the capital budget. Various projects such as transit terminals at shopping centres, passenger shelters, improved waiting amenities at major bus stops, park and ride lots, bus priority measures, handi-transit trip confirmation system, automated transit scheduling system, and the Winnipeg Transit internet site provide an enduring benefit to the department and have been funded under this program.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Transit Building Replacement / Refurbishment**

Department: Transit
Project: 4210000310

Capital Priority Rating: 3 - 2
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	5,980	7,293	9,409	10,700	11,569	2,940	4,171	38,789	46,082
Financed by:									
Cash to Capital	(2,900)	1,413	2,929	4,820	5,689			13,438	14,851
Manitoba Winnipeg Infrastructure Program (MWIP)	3,000							-	-
Federal Gas Tax	5,880	5,880	6,480	5,880	5,880	2,940	4,171	25,351	31,231

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	12,812	3,890	10,700	11,569	2,940	3,696	475	46,082
Financed by:								
Cash to Capital	4,342		4,820	5,689				14,851
Federal Gas Tax	8,470	3,890	5,880	5,880	2,940	3,696	475	31,231

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	187		96
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		394	410
SURPLUS/(DEFICIT)	187	(394)	(314)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Transit's operations are housed out of two primary facilities, the Fort Rouge complex and the North Main garage. These facilities are approximately 40 and 80 years old respectively and are operating at close to their effective capacities. A study of the Transit's facility requirements completed in 2009 indicates that these existing facilities will not support the fleet and operations necessary to meet increasing service demands in the near and long term. The department funds the maintenance of its facilities through the operating budget. However, many of the structural, mechanical and electrical systems in the existing facilities are past their design and economic lives and significant capital funding is required to bring the facilities up to acceptable standards.

This multi-year capital project will address both the issues of refurbishing and/or replacing the existing facilities to address age and condition issues and adding and/or expanding facilities to meet space requirements in the near and long term. In addition to garage facilities, this may include consolidation of off-site operational groups to the campus through the renovation of existing space or the construction and/or procurement of new areas.

Estimated useful life - Dependent on the specific projects approved.

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Project Name: **Transit Buses**

Department: Transit
Project: 421000xxyy

Capital Priority Rating: 3 - 4
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	18,350	14,500	16,585	16,900	18,547	23,850	90,382	108,732
Financed by:									
Cash to Capital		882	421	5,279	5,594	4,301	10,835	26,430	27,312
Transit Bus Replacement Reserve		9,036	8,196	7,466	7,466	7,466	7,466	38,060	47,096
Rapid Transit Infrastructure Reserve		4,242						-	4,242
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	19,200	23,040
Federal Gas Tax						2,940	1,709	4,649	4,649
Retained earnings		350	2,043					2,043	2,393

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	18,350	14,500	16,585	16,900	18,547	23,850	108,732
Financed by:								
Cash to Capital		882	421	5,279	5,594	4,301	10,835	27,312
Transit Bus Replacement Reserve		9,036	8,196	7,466	7,466	7,466	7,466	47,096
Rapid Transit Infrastructure Reserve		4,242						4,242
Provincial Building Manitoba Fund		3,840	3,840	3,840	3,840	3,840	3,840	23,040
Federal Gas Tax						2,940	1,709	4,649
Retained earnings		350	2,043					2,393

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)		116	108
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			80
SURPLUS/(DEFICIT)	-	116	28

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for the ongoing purchase of new low-floor urban transit buses and for the replacement of buses that have reached the end of their useful life.

Estimated useful life - 18 years

Note: Any surplus funds will automatically be transferred to the following year's Transit Buses program budget.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Asset Management Program**

Department: Transit
Project: 420000xxyy

Capital Priority Rating: 3 -1
Service: Public Transit

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	300	-	-	-	-	300	400
Financed by:									
Cash to Capital			200					200	200
Retained earnings		100	100					100	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	300	-	-	-	-	-	400
Financed by:								
Cash to Capital		200						200
Retained earnings	100	100						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)	1	7	
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			28
SURPLUS/(DEFICIT)	1	7	(28)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The asset management program in the Transit department is part of the city-wide initiative to improve how assets are managed. Specific initiatives will involve defining our asset level of service, asset business processes, and a risk and prioritization framework. The funding provides for the initial consulting costs of the project as well as the initial purchase of an asset management information system.

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Project Name: **Stormwater Retention Basin Rehabilitation**

Department: Water and Waste
Project: 20750001yy
Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	200	-	400	-	400	-	800	1,000
Financed by:									
Cash to Capital		200		400		400		800	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	-	400	-	400	-	-	1,000
Financed by:								
Cash to Capital	200		400		400			1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	6	18	31
SURPLUS/(DEFICIT)	(6)	(18)	(31)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is an annual program of carrying out repairs or improvements to shorelines and facilities of existing stormwater retention basins including, but not limited to, rock revetment, gate chambers and piping, fountains, and maintenance equipment launching ramps. Rehabilitation and/or upgrading of the retention basins will reduce annual maintenance problems and improve safety.

There are currently 93 stormwater retention basins under the City's jurisdiction. At the current level of funding and depending on the level of work required, 2 to 4 basins are rehabilitated every two years. As the basins age, they will require a higher level of maintenance, and thus future funding levels and prioritization of work will have to be reviewed in order to continue this program of asset preservation.

The expected life of this asset is 25 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Flood Pumping Station Rehabilitation**

Department: Water and Waste
Project: 20765001yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000
Financed by:									
Cash to Capital		1,000	1,000	1,000	1,000	1,000	1,000	5,000	6,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	1,000	1,000	-	6,000
Financed by:								
Cash to Capital	1,000	1,000	1,000	1,000	1,000	1,000		6,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	30	123	218
SURPLUS/(DEFICIT)	(30)	(123)	(218)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In a 2007 report on the adequacy and operation of the 34 regional flood pumping stations, it is estimated that $22.7 million in upgrades will be required. Near-term expenditures (i.e., next 10 years) have been estimated at $14.5 million, and long term (next 11-50 years) are identified to cost $8.2 million. These upgrades improve overall station reliability during high river levels and rainfall events. Funding for this project also includes an annual program for carrying out major repairs, upgrades and/or improvements to the flood pumping stations, and associated outfall pipes and gates. Upgrades and/or improvements include changes to: ventilation, electrical, mechanical, structural, and architectural components. All stations will be upgraded for remote monitoring which is critical during flood and rainfall events.

Formerly, under the 1990 "Clean and Beautiful Winnipeg" initiative, several flood pumping stations had been identified for aesthetic improvements.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Land Drainage and Combined Sewers Outfall Gate Structures**

Department: Water and Waste
Project: 20785002yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	12,150	1,350	-	1,100	-	1,500	1,500	4,100	5,450
Financed by:									
Cash to Capital		1,350		1,100		1,500	1,500	4,100	5,450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,350	-	1,100	-	1,500	1,500	-	5,450
Financed by:								
Cash to Capital	1,350		1,100		1,500	1,500		5,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	41	122	158
SURPLUS/(DEFICIT)	(41)	(122)	(158)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This is a project to install flap gates and positive sliding gates within concrete gate structures on outfall sewers where these facilities do not currently exist or the existing facilities are inadequate or substandard. Under high river level (flood) conditions, the river water backs up into the land drainage and combined sewer systems. In some low lying areas there is a potential for river water to inundate roadways and adjacent properties. The presence of river water in the sewer also greatly reduces the capacity of the system during a rainfall or snow melt event. Subsequent to the 1997 flood event, 70 outfall locations were identified as requiring gates.

To date 39 locations have been addressed, leaving 31 locations yet to be completed.

The expected life of this asset is 50 years.

Project Name: **Floodplain Management**

Department: Water and Waste
Project: 20700004yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	1,223	100	200	-	100	-	100	400	500
Financed by:									
Cash to Capital		100	200		100		100	400	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	200	-	100	-	100	-	500
Financed by:								
Cash to Capital	100	200		100		100		500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	3	16	28
SURPLUS/(DEFICIT)	(3)	(16)	(28)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project will investigate and implement programs, policies and legislation to:

1) Protect and ensure permanency of current and future secondary dike installation;
2) Prevent construction of new structures interfering with secondary dikes and within unprotected areas subjected to frequent high river levels;
3) Purchase and remove existing structures from the floodplain; and
4) Investigate a process and develop guidelines to control or prevent improvements/re-developments at unprotected private properties with potential acquisition of such high risk properties starting in 2007.

In April 2007, Council approved a program to raise the level of flood protection for low-lying properties below 20 ft James Avenue where it could be demonstrated the cost of providing sandbags exceeded the cost of a permanent flood works. In this program, the level of flood protection would be raised to 22.5 ft James Avenue and thereby avoid the need to sandbag for most floods. If all eligible properties participate, the cost of this program could be $880,000 and the City could avoid the sandbagging cost of approximately $2,000,000. Up until July 2010, 14 properties have been flood protected under this program.

The implementation of such programs could take place over a minimum of 5 to 10 years at a cost of $10 million.

Project Name: **Seine River Waterway Acquisition**

Department:	Water and Waste	Capital Priority Rating:	3 - 3
Project:	20800001yy	Service:	Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,049	150	150	150	150	150	150	750	900
Financed by:									
Cash to Capital		150	150	150	150	150	150	750	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	150	150	150	150	150	-	900
Financed by:								
Cash to Capital	150	150	150	150	150	150		900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		18	33
SURPLUS/(DEFICIT)	-	(18)	(33)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purchase of Seine River Waterway lands is a Council adopted policy to provide long term economical regional drainage and to manage the floodplain. The floodplain lands were originally delineated in 1980 and are required to accommodate flow along the Seine River from a 100-year summer storm. They are typically purchased at the time of subdivision, made possible from funds collected through the Seine River Waterway Charge applied to all subdivision and rezoning applications within the Seine River watershed within City limits. Development of lands adjacent to the Seine River will occur faster than the development of lands further from the Seine River. Therefore, the funding required to purchase floodplain lands will exceed the funding collected from the Waterway Charge.

Project Name: **Primary Dike Upgrading**

Department: Water and Waste
Project: 20700014yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	727	1,348	1,890	300	948	900	1,000	5,038	6,386
Financed by:									
Cash to Capital		1,348	1,890	300	948	900	1,000	5,038	6,386

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,348	1,890	300	948	900	1,000	-	6,386
Financed by:								
Cash to Capital	1,348	1,890	300	948	900	1,000		6,386

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		183	311
SURPLUS/(DEFICIT)	-	(183)	(311)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 1997 flood identified that in the south-end of the City the primary dikes were too low due to higher flows on the upstream portion of the Red River, and in the north-end of the City the dikes were too low due to backwater effects from the Floodway. In 1997 these deficiencies were addressed by constructing temporary clay dikes. The current level of proposed funding will begin to address these areas.

To provide 1 in 700 year flood protection, the level proposed with the Floodway Expansion will require a further raise of the City's primary dike system to deal with additional backwater effects from the expanded Floodway. The estimated cost to undertake this additional work is in the range of $400 million (2009 dollars) and represents the cost for raises to the primary dikes and associated bank stability improvements. The recently released Clean Environment Commission (CEC) report on the Floodway Expansion made a "non-licensing" recommendation that the City complete permanent raising of their primary dikes by 2015 and that all levels of government work cooperatively on the financing of these improvements.

There are a number of major drains that flow through the primary dike system. In 1997, Baldry Creek (Fort Richmond) and Beaujolais Coulee (St Norbert) had to be coffer dammed off to isolate these systems from the Red River. Water and Waste Department has been working with Public Works on a culvert replacement project on the Beaujolais Coulee on Pembina Hwy which would involve adding a gate chamber to their project. The gate chamber and fixed tractor-driven pumps are estimated to cost $3.2 million. This work would be scheduled to be done in 2012.

Until permanent works are completed, the City will rely on temporary raises to its primary dikes on an as-required basis.

Project Name: **Land Drainage Safety Upgrading Program**

Department: Water and Waste
Project: 20700013yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	640	-	100	-	100	-	-	200	200
Financed by:									
Cash to Capital			100		100			200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	100	-	100	-	-	-	200
Financed by:								
Cash to Capital		100		100				200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		3	10
SURPLUS/(DEFICIT)	-	(3)	(10)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The purpose of this program is to reconstruct or upgrade miscellaneous components of the existing land drainage system to conform with the City of Winnipeg Drainage Safety Guidelines. Specific projects have been identified and prioritized as part of the Open Channel Drainage Inventory and Safety Review Study.

The expected life of the assets is 75 years.

Project Name: **Land Drainage Asset Management Strategy**

Department: Water and Waste
Project: 20700016yy
Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	200	-	-	-	200	200
Financed by:									
Cash to Capital				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Cash to Capital			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			7
SURPLUS/(DEFICIT)	-	-	(7)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various sections in the Water and Waste Department. An asset management strategy is required to define goals, objectives, and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the land drainage service. The asset management strategy will identify, prioritize, and establish the future direction of condition assessments, establish deterioration/life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

Project Name: **Land Drainage Utility Study and Implementation**

Department: Water and Waste
Project: 20700016yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Cash to Capital				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Cash to Capital			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			16
SURPLUS/(DEFICIT)	-	-	(16)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funding is required to study the feasibility of implementing a new Land Drainage Utility. The capital budget established in 2006 has been canceled and re-budgeted for 2013.

Project Name: **Permanent Flood Pumping Stations**

Department: Water and Waste
Project: 20700023yy
Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	-	250	-	-	-	-	250	250
Financed by:									
Cash to Capital			250					250	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	250	-	-	-	-	-	250
Financed by:								
Cash to Capital		250						250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		5	5
Debt and finance charges increase	-	8	24
SURPLUS/(DEFICIT)	-	(13)	(29)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

During high water events, the City places temporary pumps to dewater the sewer system during rainfall/snowmelt events. These temporary pumps require continuous monitoring during a high water event.

This program will involve replacing some of the temporary pump locations that need to be placed every year with permanent submersible pumps. Costs include modifications to site, pumps and cost of providing appropriate power at site.

The expected life of the assets is 50 years.

Project Name: **Flood Manual Upgrades**

Department: Water and Waste
Project: 20700013yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	-	900	500	-	1,400	1,400
Financed by:									
Cash to Capital					900	500		1,400	1,400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	900	500	-	-	1,400
Financed by:								
Cash to Capital				900	500			1,400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg's Geographic Information System based Flood Manual was developed in the 2000 to 2003 timeframe and has proven invaluable in fighting a number of floods since then. The upper bound of the Flood Manual calculations is a water level comparable to 1997 flood or 24.5 ft James Avenue. Based on the current Floodway Operating Rules, levels in the City could exceed 24.5 ft James Avenue for floods slightly larger than a 1 in 100 year flood.

Preliminary analysis indicates that the Flood Manual should be extended to calculate flood activities up to 27.0 ft James Avenue. The City will consult with the Manitoba Water Stewardship on an appropriate upper bound. The second upgrade is to upgrade the old VB6 software that runs the Flood Manual. This needs to be done as VB6 software is no longer supported.

Project Name: **Land Drainage Supervisory Control and Data Acquisition (SCADA) System**

Department: Water and Waste
Project: 20700024yy
Capital Priority Rating: 3 - 2
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	100	100	100	-	-	300	400
Financed by:									
Cash to Capital		100	100	100	100			300	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	100	100	100	-	-	-	400
Financed by:								
Cash to Capital	100	100	100	100				400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	25	25	25
Debt and finance charges increase	3	12	22
SURPLUS/(DEFICIT)	(28)	(37)	(47)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City currently has continuous water level monitoring from 8 gauges on the Red and Assiniboine Rivers. During flood or significant rainfall events surveyors are sent out to monitor water levels at other key river sites and on critical stormwater retention basins throughout the City.

Installation of a monitoring system allows for monitoring of water levels during a flood event and post-event assessments of the performance of the lake sites. A total of 14 sites have been identified. The first phase of the program is to develop installation concepts and cost estimates for each of the sites, and the second phase will be installation of gauges based on overall priority.

Project Name: **Outfall Rehabilitation**

Department: Water and Waste
Project: 20780001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A*	1,550	1,750	1,300	1,200	1,200	1,508	6,958	8,508
Financed by:									
Cash to Capital		1,550	1,750	1,300	1,200	1,200	1,508	6,958	8,508

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,550	1,750	1,300	1,200	1,200	1,508	-	8,508
Financed by:								
Cash to Capital	1,550	1,750	1,300	1,200	1,200	1,508		8,508

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase	47	197	349
SURPLUS/(DEFICIT)	(47)	(197)	(349)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funding is for rehabilitation of sewer outfalls, repair to piping, and correction of riverbank instability. A condition assessment was completed in 1998 to provide a prioritization of repairs for outfalls throughout the City. Outfall repairs will focus on the outfalls that require most immediate attention, some of which experienced damage from the high river elevations and ice flows experienced during the 1996 and 1997 floods. Originally 55 high-priority sites were identified requiring attention. Since then, 5 more sites have been added for a total of 60 sites.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Combined Sewer Flood Relief**

Department: Water and Waste
Project: 20710001yy

Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	4,000	11,000	10,000	10,000	10,000	45,000	45,000
Financed by:									
Sewer System Rehabilitation Reserve			4,000	11,000	10,000	10,000	10,000	45,000	45,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	4,000	11,000	10,000	10,000	10,000	-	45,000
Financed by:								
Sewer System Rehabilitation Reserve		4,000	11,000	10,000	10,000	10,000		45,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This program, which was approved by Council on October 21, 1987, provides for basement flood relief to combined sewered areas. Funds will be used for the planning, design, and construction of sewer relief works. Also, a portion of the funds will be used for sewer flow and meteorological monitoring in advance of design as well as public communication and education on basement flood protection.

There are 42 combined sewer districts in Winnipeg. Currently, 28 combined sewer districts have been relieved. At present, 2 combined sewer districts are being relieved, another 2 are being considered for partial separation and an additional district will be studied for future relief. Planning for the relief work is also coordinated with the upcoming Combined Sewer Overflow program and the Sewer Rehabilitation program. The cost for the remainder of the program is $246 million and at current funding rates will require over 20 years to complete. The benefit to cost ratio of the outstanding work is 3.8 to 1; meaning for every dollar spent on sewer relief works, $3.8 dollars are saved in reduced flood damages.

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Flood Relief Sewers - Separate**

Department: Water and Waste
Project: 20720001yy
Capital Priority Rating: 3 - 4
Service: Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	300	300	300	300	300	300	1,500	1,800
Financed by:									
Sewer System Rehabilitation Reserve		300	300	300	300	300	300	1,500	1,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	300	300	300	300	300	-	1,800
Financed by:								
Sewer System Rehabilitation Reserve	300	300	300	300	300	300		1,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Basement flooding has become an issue in some separate sewered areas as in combined sewered areas. A parallel relief sewer program in separate areas is necessary. Prior to any works proceeding, a planning study will be undertaken to identify City-wide priorities, as well as allow for sewer flow and meteorological monitoring in advance of a conceptual and detailed design.

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Development Agreement Paybacks**

Department:	Water and Waste	Capital Priority Rating:	3 - 2
Project:	20770001yy	Service:	Land Drainage and Flood Control

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	-	500	500	500	500	500	2,500	2,500
Financed by:									
Developer Capacity Charges			500	500	500	500	500	2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	500	500	500	-	2,500
Financed by:								
Developer Capacity Charges		500	500	500	500	500		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The provision for development agreement payback is an allowance for the City to repay developers who bridge finance the installation of oversized land drainage services at a time when City capital funding is not provided. The policy guideline for bridge financing was defined in the previous version of the Development Agreement Parameters and was again incorporated in the most recent version of the Parameters which was adopted by Council on June 21, 1989.

Funds budgeted will provide the following paybacks:

2012 DASZ 30/05 - Bridgewood Estates Inc./Perfanick	500,000
2013 DASZ 10/10 - North Grassie Properties/Starlight Village	500,000
2014 DASZ 1/06 - MHRC/Waverley West	500,000
2015 DASZ 14/94 - Genstar/Prairie Crossing	500,000
2016 DASZ 56/85 - Inksbrook Industrial Park	500,000

The expected life of this asset is over 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Fernbank Avenue Land Drainage Sewer**

Department: Water and Waste
Project: 20820001yy

Capital Priority Rating: 3 - 3
Service: Land Drainage and Flood Control

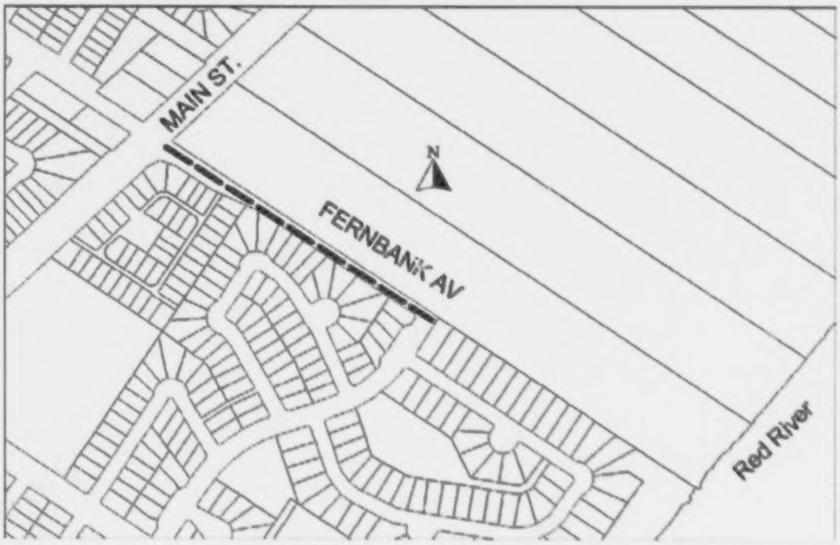
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	875	-	-	-	875	875
Financed by:									
Developer Capacity Charges				875				875	875

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	875	-	-	-	-	875
Financed by:								
Developer Capacity Charges			875					875

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of a 1,350 mm diameter land drainage sewer on Fernbank Avenue from approximately 65 metres west of Main Street to Rivergrove Drive. The sewer will provide a permanent outlet for the Riverbend Subdivision retention basin and an outlet for the undeveloped lands west of the CPR Winnipeg Beach Subdivision rail line. These lands include the Public Works Department's snow dump site north of Fernbank Avenue. The expected life of this asset is 75 years.



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Project Name: **Saskatchewan Avenue Watermain**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 3

Project: 20135001yy

Service: Water

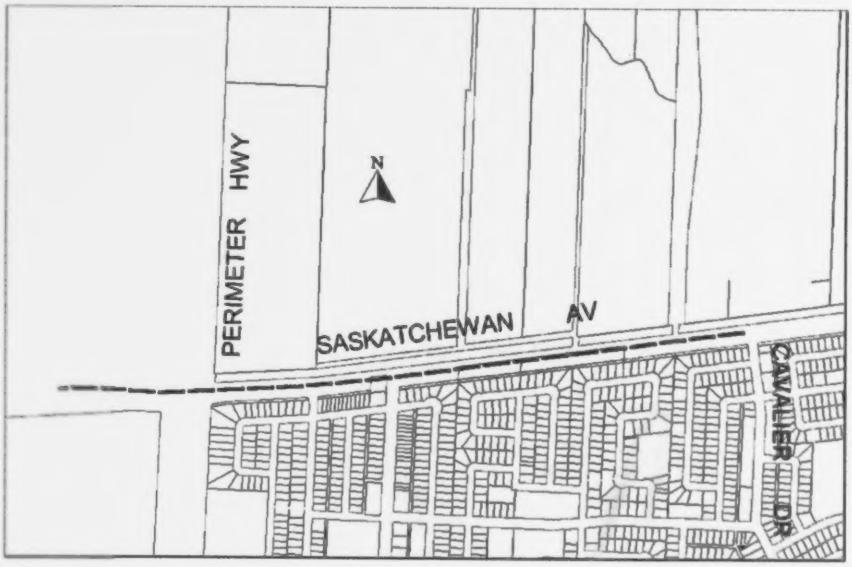
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	3,900	-	-	-	3,900	3,900
Financed by:									
Retained Earnings				3,900				3,900	3,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	3,900	-	-	-	-	3,900
Financed by:								
Retained Earnings			3,900					3,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges

Urban development of the lands within the City and west of the Perimeter Highway (PTH 101) will require an extension of the water distribution system to provide a looped supply. The funds included are to provide for a watermain between Cavalier Drive and a point 500 metres west of PTH 101 on Saskatchewan Avenue. It is expected that watermains required within the development lands to complete the loop will be oversized by developers. The expected life of this asset is over 50 years.



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Project Name: **Water Supervisory Control and Data Acquisition (SCADA) Upgrade**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20050002yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,800	2,900	-	-	-	-	2,900	4,700
Financed by:									
Retained Earnings		1,800	2,900					2,900	4,700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,800	2,900	-	-	-	-	-	4,700
Financed by:								
Retained Earnings	1,800	2,900						4,700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	15	15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(15)	(15)	(15)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Supervisory Control and Data Acquisition (SCADA) system controls and monitors the operation of the Drinking Water Treatment Plant and the Regional Water Supply and Distribution System. The automated control system is comprised of specialized computer hardware and software, remote communications, instrumentation, and Programmable Logic Controls (PLC). A SCADA system assessment and upgrading are required to ensure timely replacement of dated hardware and software. The SCADA system is essential for the supply, water treatment process control and distribution of drinking water.

The PLCs currently in use at the three regional pumping stations (McPhillips, MacLean, and Hurst), Tache and Deacon Booster Pumping Stations, and Shoal Lake Intake were installed in 1992 and will no longer be serviced or supported by the manufacturer as of December 31, 2011. Upgrading the water supply system's PLCs at this time will allow for the review of the control software to optimize the operation of the system.

Concurrent with the PLC replacement, the controller logic language will be updated along with additional electrical upgrades to enhance operational reliability.

The expected life of this asset is 10 years but will depend on the technical advancement in the process automation field.

Project Name:	**Shoal Lake Intake Chloramination Facility**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	5 - 4
Project:	20120003yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	300	-	2,000	-	-	-	-	2,000	2,000
Financed by:									
Retained Earnings			2,000					2,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,000	-	-	-	-	-	2,000
Financed by:								
Retained Earnings		2,000						2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The first phase of the project will be a study to review alternate forms of treatment and/or disinfection for the Shoal Lake Aqueduct and distribution system to meet the operational, public health, and safety goals. Presently, chlorine is used at the intake for disinfection, slime control in the aqueduct and zebra mussel control. This results in high levels of disinfection by-products being formed. The water treatment plant must be operational prior to replacing the strong disinfection advantages of chlorine. The Water Treatment Project Risk Management process identified viable alternatives to gas chlorine to reduce risk. Given the consequences associated with security, transportation, and containment of gas chlorine, an alternative form of chlorination will be investigated.

The expected life of this asset is 25 years.

Project Name: **General Water Infrastructure Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4
Project: 20010026yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	300	300	500	500	1,000	2,600	2,600
Financed by:									
Retained Earnings			300	300	500	500	1,000	2,600	2,600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	300	300	500	500	1,000	-	2,600
Financed by:								
Retained Earnings		300	300	500	500	1,000		2,600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Many components in the water supply and distribution systems have been in service for many years and are reaching the end of their functional lives. These components are critical elements of the infrastructure and their failure would result in disruption of service and costly emergency repairs. This project will address the need to rehabilitate the water supply and distribution systems, in order to maintain the water system reliability and conformance with current building codes and health regulations. This will be an on-going project with additional funding being included in future years.

The scope of work will be varied and will be prioritized based on the urgency and cost effectiveness identified through condition assessment studies, available rehabilitation techniques, and research into innovative rehabilitation measures. Infrastructure to be assessed and rehabilitated under this project includes, but is not limited to, reservoirs, pumping stations, feedermains, valves, electrical and mechanical systems, control systems, chemical systems, related building structures, and security.

Life expectancy will vary with each asset, however, a range of 10 to 50 years is expected.

Project Name:	**Waverley West Feedermain**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	5 - 3
Project:	20040009yy	Service:	Water

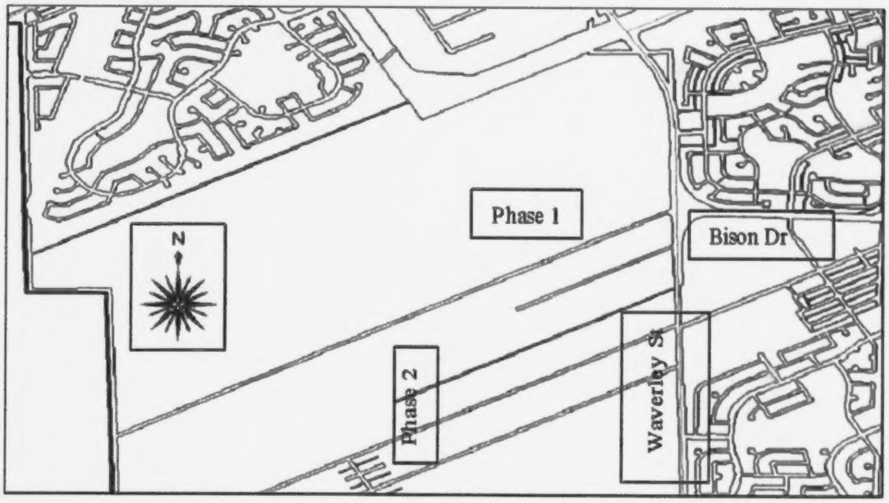
AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	3,400	-	-	6,800	-	-	-	6,800	6,800
Financed by:									
Retained Earnings				6,800				6,800	6,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	6,800	-	-	-	-	6,800
Financed by:								
Retained Earnings			6,800					6,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Urban development of the lands within the City west of Waverley Street, north and south of Cadboro Road will require an extension of the existing feedermain system to provide water service and fire protection to developments in this area. The funds included are for Phase 2 of the feedermain extension. Phase 2 will continue south down the proposed Kenaston Blvd extension. The expected life of the asset is over 50 years.



Project Name: **Feedermain Condition Assessment and Rehabilitation**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 3

Project: 20040007yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	300	500	500	500	1,000	1,000	1,000	4,000	4,500
Financed by:									
Retained Earnings		500	500	500	1,000	1,000	1,000	4,000	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	500	500	1,000	1,000	1,000	-	4,500
Financed by:								
Retained Earnings	500	500	500	1,000	1,000	1,000		4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The feedermains are specialized pipes which are unique in size, materials, construction techniques, and failure. The majority of feedermains were installed in the 1960's and require inspection, testing, and maintenance to preserve the asset. Future funds will be identified as part of the first phase of this project.

The expected life of this asset is 50 years.

Project Name:	**Water Utility Asset Management Strategy**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	5 - 2
Project:	20010006yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	240	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges

Asset management principles are being utilized for various projects in the water utility. However, development of an asset management strategy is required to define goals, objectives, and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the water utility. The asset management strategy will identify, prioritize, and establish the future direction of condition assessments, establish deterioration/life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

Project Name:	**Water Supply Valve Installation / Replacement Program**			
Department:	Water and Waste - Waterworks System		Capital Priority Rating:	5 - 4
Project:	201400xxyy		Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	5,038	750	750	750	750	750	750	3,750	4,500
Financed by:									
Retained Earnings		750	750	750	750	750	750	3,750	4,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	750	750	750	750	750	750	-	4,500
Financed by:								
Retained Earnings	750	750	750	750	750	750		4,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The water supply valves are critical elements used to control the distribution of water from the source through the feedermain pipes. The scope of the work will vary with site-specific conditions. This program will include installation of valves and piping at new or existing locations to improve service reliability and reduce environmental risk. The program will also include replacement of valves, operators, Supervisory Control and Data Acquisition (SCADA) control equipment, related pipe connections, valve chambers, structural assessments, and restoration works. This is an ongoing program with additional funding being included in future years.

Life expectancy will vary between 20 and 50 years.

Project Name: **Hurst Pumping Station Building - Structural Repairs**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20050007yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	200	900	-	-	-	-	-	-	900
Financed by:									
Retained Earnings		900						-	900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	900	-	-	-	-	-	-	900
Financed by:								
Retained Earnings	900							900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

There are structural defects noted on the precast concrete panels at the Hurst Pumping Station. Noted defects include deterioration of the copings (exposing reinforcing steel), cracked panels, deterioration of ribs on the panels, and the deterioration of the caulking joints in several locations. These conditions may lead to water penetration into the building envelope. A structural review of these conditions is required to determine rehabilitation or replacement costs. The capital budget established in 2006 has been canceled and re-budgeted for 2010 and 2011.

The expected life of the asset is 50 years.

Project Name:	**Chlorination Decommission at Regional Pump Stations**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	5 - 4
Project:	20050011yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	115	-	-	-	-	115	115
Financed by:									
Retained Earnings			115					115	115

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	115	-	-	-	-	-	115
Financed by:								
Retained Earnings		115						115

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing chlorine disinfection facilities within the three Regional Pumping facilities will be studied to determine if they can be decommissioned now that the new drinking water treatment plant has been successfully commissioned. The proposed works at McPhillips, Hurst, and MacLean pump stations may include the removal of gas chlorine and the decommissioning of the related chlorination systems.

Project Name: **Deacon Chemical Feed Facility Upgrading**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20025002yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	400	1,000	-	-	-	-	-	-	1,000
Financed by:									
Retained Earnings		1,000						-	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	-	-	-	-	-	-	1,000
Financed by:								
Retained Earnings	1,000							1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Chemical Feed Building contains chemical storage and injection equipment to treat the City's drinking water with fluoride and orthophosphate. Prior to upgrading the orthophosphate treatment equipment, an engineering study will be performed to review the need for orthophosphate and alternate chemicals to orthophosphate taking into consideration the enhanced water quality from the new drinking water treatment plant. Given the corrosive nature of such chemicals, the chemical pumps, piping, and related monitoring and control equipment will require upgrading and replacement by 2011.

Prior to upgrading the fluoride feed system an engineering study will be carried out to access the flexibility of the fluoride feed system to meet future target dose rates.

The expected life of this asset is 20 years.

Project Name: **Regional Pumping Stations Structural Upgrades**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20050012yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	-	-	-	-	-	500
Financed by:								
Retained Earnings		500						500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The McPhillips, Hurst, and MacLean pumping stations provide the final pumping to deliver water to the Water Utility customers. The pump stations were constructed in the early 1960's. It is anticipated that the building structures will require upgrading to ensure the uninterrupted operation of these pumping facilities. A preliminary assessment will be conducted in 2012 with future funding requirements to be identified in the report.

The expected life of these assets is 50 years.

Project Name: **Wilkes Reservoir "B" Pit Upgrades/Rehabilitation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 4
Project: 20110002yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	600	-	-	-	-	-	-	600
Financed by:									
Retained Earnings		600						-	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	600	-	-	-	-	-	-	600
Financed by:								
Retained Earnings	600							600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Wilkes Reservoir "B" Pit, constructed in the early 1960's, is one of two critical inlet control structures for controlling the flow of water into the Wilkes Reservoir. The "B" pit improvement works will address the employee safety requirements, egress requirements, valve replacement, structural/foundation repairs, electrical upgrades, and improve the site/groundwater drainage.

The project name has changed from Safety Upgrades - Wilkes Reservoir "B" Pit to Wilkes Reservoir "B" Pit Upgrades/Rehabilitation to align with the scope of work required.

The expected life of this asset is 50 years.

Project Name: **Regional Pumping Stations Reliability Upgrades**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20050003yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	1,000	1,000	1,000	1,000	-	-	3,000	4,000
Financed by:									
Retained Earnings		1,000	1,000	1,000	1,000			3,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	1,000	1,000	1,000	-	-	-	4,000
Financed by:								
Retained Earnings	1,000	1,000	1,000	1,000				4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The electrical power supply is the primary source of energy to drive the pumps in the drinking water pump stations. Electrical power disruptions have caused the electric pumps to shut down, for protection purposes, which results in reduced water service. A Water Pumping Station Power Reliability Study was completed and recommended a number of electrical and control improvements to reduce the effects of electrical power disruptions. The recommended improvements will be completed in phases according to priority.

The expected life of this asset is 20 years.

Project Name: **Waterworks System Security Upgrades**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 2
Project: 20010015yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,700	850	500	500	500	500	150	2,150	3,000
Financed by:									
Retained Earnings		850	500	500	500	500	150	2,150	3,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	850	500	500	500	500	150	-	3,000
Financed by:								
Retained Earnings	850	500	500	500	500	150		3,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	15	15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(15)	(15)	(15)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The waterworks system is made up of complex infrastructure that delivers water from Shoal Lake to Winnipeg homes and businesses. Operating the waterworks system is subject to legislation including the Drinking Water Safety Act, Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act, and Environment Act. Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to drinking water quality and public health. Funding is required for increased security measures to adequately protect the waterworks system.

Project Name: **Regulatory Assessment of Water System Infrastructure and Water Supply Sources**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 2

Project: 20010007yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014**	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	750	-	-	-	610	-	-	610	610
Financed by:									
Retained Earnings					610			610	610

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	610	-	-	-	610
Financed by:								
Retained Earnings				610				610

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A drinking water system Infrastructure Assessment study is required under the Provincial Drinking Water Safety Act. The objective of the report is to carry out an onsite evaluation to identify, analyze, and mitigate any potential adverse health risks and environmental impacts associated with the water system in a "source to tap" methodology. This work will also determine whether the water system's source, facilities, equipment, and operations are effective in producing safe drinking water, and meet the regulations in force.

Infrastructure assessment reports are required on a 5-year reporting frequency.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Shoal Lake Aqueduct Asset Preservation**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 5 - 3
Project: 20030006yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,388	700	1,300	-	-	1,000	1,000	3,300	4,000
Financed by:									
Retained Earnings		700	1,300			1,000	1,000	3,300	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	700	1,300	-	-	1,000	1,000	-	4,000
Financed by:								
Retained Earnings	700	1,300			1,000	1,000		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Shoal Lake Aqueduct, which has been in continuous service since 1919, delivers water to Winnipeg from Shoal Lake, a distance of 156 kilometres (97 miles). A comprehensive condition and rehabilitation of the Aqueduct commenced in 1988 and was substantially completed in 2004. While the Aqueduct rehabilitation project has resulted in an increase of the Aqueduct's service life by 50 years, on-going monitoring and inspection programs will identify future works.

Works which have been identified include the rehabilitation of drainage siphons crossing the Aqueduct, replacement of corroded boathouse access doors and broken Aqueduct vent pipes, re-establishment of a boathouse in proximity of the Whitemouth River and condition inspection and cleaning of the Aqueduct underdrain.

During the rehabilitation of the Aqueduct, an inventory of specialized and costly inspection and maintenance equipment was assembled which will continue to be utilized in the ongoing inspection and maintenance of the Aqueduct. This equipment requires a dedicated and secure storage facility to ensure its functionality and availability.

The expected life of this asset is 50 years.

Project Name: **Aqueduct Bridging Structure at Deacon**

Department: Water and Waste - Waterworks System
Capital Priority Rating: 3 - 2
Project: 20060004yy
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	100	600	-	-	-	-	-	-	600
Financed by:									
Retained Earnings		600						-	600

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	600	-	-	-	-	-	-	600
Financed by:								
Retained Earnings	600							600

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Greater Winnipeg Water District (GWWD) rail line crosses the Shoal Lake Aqueduct at the Deacon Reservoir site. A buried timber bridging structure was constructed, as part of the original construction work, to protect the aqueduct from the rail traffic loading. An engineering assessment of the bridging structure and aqueduct have been performed and recommended that the bridging structure be replaced as the current structure has failed and no longer offers the required protection to the aqueduct.

The expected life of this asset is 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name:	**Deacon Reservoir Cell Rehabilitation Project**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20110001yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012**	2013	2014	2015	2016		
Project Costs ($000's)	800	1,400	750	-	-	-	-	750	2,150
Financed by:									
Retained Earnings		1,400	750					750	2,150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,400	750	-	-	-	-	-	2,150
Financed by:								
Retained Earnings	1,400	750						2,150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Reservoir cells were constructed of clay material between 1972 and 1996 and rise approximately six metres above the natural prairie. The cells have a total storage volume of 8,400 megalitres which is sufficient to supply the City of Winnipeg with water for 28 days. The cells are used to supplement the water supply when the daily water demand exceeds the capacity of the Shoal Lake Aqueduct. The cells also provide a water supply to the City when the Shoal Lake Aqueduct is annually shut down for inspection and maintenance.

There are two precast concrete box culvert pipes that cross under PTH 207 which convey water from Cell No. 2 into Cell No. 1. The box culvert joints have a history of leaking and a number of joint repair methods have been undertaken in the past with minimal success. The joint leakage is a safety issue during the winter months as the water will flood the ditches and roadway. Also this leakage over a long period of time could compromise the stability of the cell dikes in proximity of the box culvert pipes. Both box culvert pipes will be repaired by installing a structural liner.

On top of the cell dikes exists a three metre wide road which is used for inspection, maintenance, water sampling and security purposes. The total length of the cell roads is 9.5 kilometres. Over time the roads have developed a number of localized failures from water accumulation which requires repair before the roads become impassable and the cell dikes start to soften thereby increasing the risk for a catastrophic dike failure. The road rehabilitation will include excavation, recompaction of the clay dike, regrading the dike crown and placement of road gravel.

There is a significant growth of vegetation (shrubs and trees) growing on the top of the cell dikes between the edge of the road and the granite rip-rap protecting the inner slopes of the cell dikes. There is also some growth within the rip-rap. A similar growth was removed approximately 15 years ago. The removal of the vegetation is required because the roots could compromise the dike integrity and the foliage will interfere with the security system monitoring cameras and its decay will cause water quality issues. Removal of the vegetation will be labour intensive because of its proximity to the water and the rip-rap.

The expected life of this asset is 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Deacon Booster Pumping Station Suction Header Divider Valve**

Department: Water and Waste - Waterworks System
Project: 20050009yy
Capital Priority Rating: 3 - 2
Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	100	1,200	-	-	-	-	-	-	1,200
Financed by:									
Retained Earnings		1,200						-	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,200	-	-	-	-	-	-	1,200
Financed by:								
Retained Earnings	1,200							1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon Booster Pumping Station suction header pipe has been identified as a single point of potential failure for the supply of treated water to the City. The work will include the installation of a valve in the mid point on the suction header to effectively divide the suction header. This will permit a continuous supply of water to the City in the event a leak occurs on this suction header.

The expected life of this asset is 50 years.

Project Name:

Foundation Drainage Improvements for Deacon Booster Pumping Station

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 2

Project: 20050010yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	250	-	-	-	-	-	-	250
Financed by:									
Retained Earnings		250						-	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	250	-	-	-	-	-	-	250
Financed by:								
Retained Earnings	250							250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

As part of a risk management assessment, the Deacon Booster Pumping Station foundation drainage system was identified as high risk due to internal flooding from excessive foundation water. The pump floor is approximately nine meters below grade. With the construction of the new water treatment plant, the Deacon Booster Pumping Station must be operated continuously to deliver drinking water to the City of Winnipeg. The foundation drainage improvement and potential automation of valves to control the flow of water will reduce the risk of flooding the electrical pumps.

The expected life of this asset is over 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Water Works By-law 504/73 Revision**

Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20010024yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	175	-	-	-	-	-	-	175
Financed by:									
Retained Earnings		175						-	175

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	175	-	-	-	-	-	-	175
Financed by:								
Retained Earnings	175							175

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water Works By-law No. 504/73 relates to the Water Works Utility, the fixing of water rates and the billing and collection thereof. This by-law was originally passed by Council November 7, 1973. Each year amendments are passed to reflect the new water and sewer rates. The structure and language in the by-law has become dated. Amendments have occurred to clarify terms, liability or cross connection control provisions based on the original by-law structure. The Water Works By-law will be written taking into account a review of the by-laws in other jurisdictions, plain language format and better alignment with current operation policies.

The expected life of this asset is 25 years.

** Supported by Class 3 estimate, see Appendix #2.

Project Name: **Environmental Services Laboratory Facility Upgrading - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 2

Project: 20010022yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	150	110	-	-	-	-	-	-	110
Financed by:									
Retained Earnings		110						-	110

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	110	-	-	-	-	-	-	110
Financed by:								
Retained Earnings	110							110

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the North End Water Pollution Control Centre (NEWPCC). The existing laboratory space is insufficient with the addition of new staff to conduct laboratory work for the new water treatment plant and the additional wastewater systems. There is a storage room at the NEWPCC of approximately 49 m^2 (530 ft^2) that is available to be upgraded/converted to laboratory space.

The upgrade of this space includes a new heating, ventilating and air conditioning (HVAC) system to control air quality, new workstations and bench space and a new sample reception/preparation area. The cost identified also includes removal of the old duct work and other existing devices, upgrade to existing plumbing and new installation of new laboratory fume hoods, odour control canopies and incubators.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name:	**Deacon Site Flood Protection**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20025005yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	-	-	-	-	500	500
Financed by:									
Retained Earnings			500					500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	300	200	-	-	-	-	500
Financed by:								
Retained Earnings		300	200					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Deacon site ditch drainage system has experienced overland flooding in the past due to high water levels in the drain discharging into the floodway during the 1997 flood. With the expanded floodway and the increased water levels additional flood protection measures must be installed to protect the new Water Treatment Plant and related onsite buildings.

The expected life of this asset is over 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name:	**Tache Booster Pumping Station**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20050006yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	3,000	1,800	-	-	5,300	5,300
Financed by:									
Retained Earnings			500	3,000	1,800			5,300	5,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	3,000	1,800	-	-	-	5,300
Financed by:								
Retained Earnings		500	3,000	1,800				5,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Tache Booster Pumping Station on the Branch 1 Aqueduct was constructed in 1950 in order to develop the full capacity of the aqueduct. A study identified a number of required upgrading to the pumping station and the aqueduct surge tower adjacent to the station. The work includes replacing the pump motors, upgrading the station electrical, heating and ventilation systems, upgrading the foundation and roof structures, and a reconfiguration of the valving and piping between the pumping station and the surge tower. Also, aesthetic, fencing and landscaping upgrades to the site and facilities will be undertaken to coincide and assimilate with the proposed residential redevelopment of the surround area.

The capital budget established in 2006 has been cancelled and re-budgeted for 2012 to 2014.

The expected life of this rehabilitation asset is 50 years.

Project Name:	**Water Treatment Research and Process Optimization Facility**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20025006yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	650	-	-	-	-	650	750
Financed by:									
Retained Earnings		100	650					650	750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	650	-	-	-	-	-	750
Financed by:								
Retained Earnings	100	650						750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The water treatment research and process optimization facility will be constructed to facilitate ongoing water treatment research and optimization of the existing water treatment process. This will be a small scale model replicating the water treatment process.

As new chemicals become available or existing chemicals become unavailable or existing chemical prices rise such that they become cost prohibitive; alternative chemicals can be pilot tested in this facility to ensure the water quality will meet the regulatory license requirements. In the future as drinking water quality regulations become more stringent new water treatment processes can be studied and validated on the water supply prior to committing to a large capital expansion to the water treatment plant. Other benefits are: filter media and absorption evaluations, operator training and education, and testing of emerging treatment technologies that become cost effective. The water treatment plant has space dedicated for this facility.

The expected life of this asset is 25 years.

Project Name:	**Branch Aqueduct Condition Assessment and Rehabilitation**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20030005yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	500	500	1,000	-	-	2,000	2,000
Financed by:									
Retained Earnings			500	500	1,000			2,000	2,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	1,000	-	-	-	2,000
Financed by:								
Retained Earnings		500	500	1,000				2,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Branch I, II and Interconnection aqueducts are specialized pipes which are unique in size, materials, construction techniques and failure.

The Branch I aqueduct was installed in 1918 and has an established inspection and maintenance program, however, the Branch II and interconnection aqueducts were installed between 1959 and 1963 and will require specialized inspection, testing, and maintenance to preserve the asset.

The expected life of this asset is 50 years.

Project Name: **Water Services Division Operations Accreditation**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 2

Project: 20010005yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	500	-	-	-	500	500
Financed by:									
Retained Earnings				500				500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	-	-	-	500
Financed by:								
Retained Earnings			500					500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water Services Division has a strategic goal to become certified under an ISO or similar certification program to enhance customer service and manage risk. Additional benefits of becoming certified are: improved cost effectiveness, environmental compliance, reduced hazard liabilities and promotion of best management practices. The Utility has the opportunity to demonstrate to their customers a commitment to environmentally safe processes, regulatory compliance, and environmental stewardship.

The expected life of this asset is 20 years.

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Project Name: **Water Treatment Plant Upgrading**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 200250xxyy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	10,000	10,000	10,000
Financed by:									
Retained Earnings							10,000	10,000	10,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	1,000	9,000	10,000
Financed by:								
Retained Earnings						1,000	9,000	10,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The drinking water treatment plant is the single source of treated water for the City of Winnipeg. The water treatment processes are made up of pumps, valves, piping, custom designed mechanical components, compressors, blowers, chemical handling and metering equipment, electronic measurement and control equipment, switch gears, variable speed drives, transformers and related equipment. Due to the corrosive properties of the chemicals and acids, the mechanical equipment will have to be rebuilt or replaced to ensure the provision of treated water for the City of Winnipeg.

The expected life of this asset is 5 to 20 years.

Project Name: **Ultraviolet Light Disinfection Upgrade/Rehabilitation**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 4

Project: 20025004yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	4,000	4,000	4,000
Financed by:									
Retained Earnings							4,000	4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	4,000	-	4,000
Financed by:								
Retained Earnings						4,000		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ultraviolet light disinfection system is an integral pathogen barrier in the drinking water treatment process. The process treats the water by emitting ultraviolet light into the water. There is a significant amount of rejection heat generated by the electrical and mechanical systems which degrade the equipment. Typically the ballasts, transformers, bulbs, quartz sleeves and mechanical wiper systems all must be serviced and replaced at regular intervals to maintain the reliable operation of this treatment system.

The expected life of this asset is 5 to 20 years.

Project Name:	**Water Service Line Asset Management and Rehabilitation Strategy**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 2
Project:	20010023yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	-	500	500	550	550	2,100	2,100
Financed by:									
Retained Earnings				500	500	550	550	2,100	2,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	500	550	550	-	2,100
Financed by:								
Retained Earnings			500	500	550	550		2,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Several issues related to the failure of residential water service lines within City right-of-ways have been identified. The issues identified include the freezing of water services during extreme cold weather, the premature failure of polybutylene water services and the failure of older lead water services resulting in the temporary loss of water service to the customer.

The program will include the review and replacement of problem water services.

The expected life of this asset is 75 years.

Project Name: **Aqueduct Information Management System**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 4

Project: 20030010yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013**	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	200	-	-	-	200	200
Financed by:									
Retained Earnings				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Retained Earnings			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Aqueduct Information Management System is an electronic data base of Shoal Lake Aqueduct related information developed as part of the Shoal Lake Aqueduct Rehabilitation Program. The current system is at the end of its useful life. In order to preserve the data base a new system is to be developed.

The expected life of this asset is 10 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **McPhillips Reservoir Slope Stabilization**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 2

Project: 20110003yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	120	-	-	-	120	120
Financed by:									
Retained Earnings				120				120	120

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	120	-	-	-	-	120
Financed by:								
Retained Earnings			120					120

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The west cell of the McPhillips reservoir parallels the back lane along Gallagher Avenue. A portion of the existing earthen side slope of the reservoir cell has failed. Geotechnical analysis and remediation works are required to correct the slope failure to prevent earth from the slope from encroaching on the back lane.

The expected life of this asset is 50 years.

Project Name: **Public Water Outlets**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 3

Project: 20010017yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	-	-	500	500
Financed by:									
Retained Earnings					500			500	500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	-	-	-	500
Financed by:								
Retained Earnings				500				500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

There are three public drinking water outlets in the City providing truck filling services for contractors or homeowners hauling water. Funds are required to perform an assessment of water sales, a review of the public water outlet locations, safety upgrades, and rehabilitation or decommissioning works. In some locations structural and mechanical repairs are required to maintain this service. Future funds may be required following the recommendations of the study.

Life expectancy will vary between 20 and 50 years.

Project Name: **Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 5 - 2

Project: 20100002yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,680	-	-	-	-	-	-	1,680
Financed by:									
Retained Earnings		1,680						-	1,680

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,680	-	-	-	-	-	-	1,680
Financed by:								
Retained Earnings	1,680							1,680

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations project includes implementing functionality of the Oracle Customer Care and Billing (CCB) system. Some components include upgrading the cashiering system to interface with a new payment processing system and capturing image and documentation of customer bill payments. The enhanced CCB will provide the avenue for increased customer service regarding bill and payment opportunities and functionality.

The project will prepare CCB for interfacing to the other primary department systems, such as Geographic Information System (GIS), so that an integral view of customer, work and asset information is available for better decision making. This will provide for more efficient routing for meter reading and maintenance, work routes for field crews and customer notification on water and sewer issues.

The CISS Project included $10 million (split between the Waterworks System Fund and the Sewage Disposal System Fund) for replacing the legacy mainframe system with the new web based CCB system. In order to mitigate risk and ensure a successful project, only the base system functionality was first implemented.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name:	**Meter Infrastructure Program**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	3 - 1
Project:	20010025yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	355	2,520	-	-	-	-	2,520	2,875
Financed by:									
Retained Earnings		355	2,520					2,520	2,875

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	355	2,520	-	-	-	-	-	2,875
Financed by:								
Retained Earnings	355	2,520						2,875

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The project includes two segments: (1) 2011 - The development of a Business Case that will drive the selection and implementation plans for the metering technology, and (2) the completion of a 12-month testing period (2012-2013) followed by an assessment period. The business case will identify costs associated with water meters with encoder registers, meter interface units (radio frequency devices that communicate meter information to data collector units), data collector units, meter data management system (hardware/software) and meter installation service. Full system implementation is planned over a minimum of a three year period (2014 - 2016). Costs for advanced metering technology are estimated to be up to $75 million.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Customer Service Upgrade to Telephony Communications System**

Department: Water and Waste - Waterworks System

Capital Priority Rating: 3 - 3

Project: 20100005yy

Service: Water

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Retained Earnings		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Retained Earnings	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

An upgrade is required to the telephony system used for the Water Bill Inquiry Line (986-2455), which was originally purchased in 1997. This upgrade will provide enhanced functionality for the Water Bill Inquiry Line, including skills-based routing, enhanced reporting and statistics, scheduling optimization, and enhanced monitoring, recording and coaching capacity. It will ensure that the Water and Waste Department can more effectively use its resources to provide quality customer service in a more reliable environment.

The Department plans to upgrade to the same system currently being used by the 311 Contact Centre and the Handi-Transit Contact Centre to optimize resources, as 24/7 system support has already been established within the organization, and a training and back-up facility is already located at 510 Main Street. Although the new system will be more robust and effective, it is expected that annual operating expenses will remain the same as those currently being incurred.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class 1 estimate, see Appendix # 2.

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Project Name:	**Watermain Renewals**		
Department:	Water and Waste - Waterworks System	Capital Priority Rating:	5 - 2
Project:	20130001yy	Service:	Water

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	N/A*	13,500	14,000	15,000	16,000	17,000	17,000	79,000	92,500
Financed by:									
Watermain Renewal Reserve		13,500	14,000	15,000	16,000	17,000	17,000	79,000	92,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	13,500	14,000	15,000	16,000	17,000	17,000	-	92,500
Financed by:								
Watermain Renewal Reserve	13,500	14,000	15,000	16,000	17,000	17,000		92,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is a continuing program to replace and/or rehabilitate deteriorating watermain infrastructure. Funding is used for watermain replacement, cathodic protection, valve and hydrant replacement/rehabilitation, correction of dead end mains, upgrading of substandard mains, watermain studies, assessments, and hydraulic improvements for fire protection purposes. Additional funding has been added to the program due to the escalation in construction costs and an increase in the number of watermains requiring replacement/rehabilitation. The expected remaining life of each rehabilitated watermain ranges from 20 to 80 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Lift Stations Upgrading**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20350001yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	2,000	2,000	750	750	750	750	5,000	7,000
Financed by:									
Retained Earnings		2,000	2,000	750	750	750	750	5,000	7,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,000	2,000	750	750	750	750	-	7,000
Financed by:								
Retained Earnings	2,000	2,000	750	750	750	750		7,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is part of a continuing program for mitigating hydraulic, structural, safety, odour, aesthetic problems, and capacity assessments as required for the 95 lift stations and associated forcemains, gate chambers, and related works in the sewage collection system. For maximum effectiveness the program must be on a planned and continuous basis.

The program will include a condition assessment of all lift stations to establish future funding requirements.

The expected life of this asset is 50 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Inflow / Infiltration / Cross-Connection Study and Mitigation**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 3 - 3

Project: 20410001yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,793	-	-	500	500	3,000	-	4,000	4,000
Financed by:									
Retained Earnings				500	500	3,000		4,000	4,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	500	1,500	1,500	-	4,000
Financed by:								
Retained Earnings			500	500	1,500	1,500		4,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves locating and identifying sources of extraneous inflow and infiltration (I&I) entering the wastewater sewer system, and implementing mitigative measures to reduce the I&I such that wet weather flows to wastewater treatment plants are minimized, basement flood protection is improved during high river levels and emergency discharges are minimized.

Extraneous inflows from groundwater, snowmelt, and rainfall events place an additional stress on the wastewater treatment plants that can result in reduced life expectancy of equipment and/or accelerate the need for wastewater treatment plant expansion. Minimizing extraneous inflows will reduce these additional stresses, prolong equipment life, and postpone facility expansion. Areas of the City will also be identified where land drainage sewer system cross-connections may exist with the wastewater sewer system that can be significant sources of I&I under high river levels or wet weather.

In addition to this, as of 1990, new homes are required to have sump pumps and pits to collect foundation drainage and then discharge this clean water onto the home owners land. The intent was to remove this large source of extraneous flow from reaching the wastewater treatment plants. It has been found, however, that some home owners have illegally connected sump pumps to their wastewater sewer service. Areas where large sources of extraneous I&I are suspected will be investigated. Appropriate technical measures including public education and communication will be initiated to rectify this situation.

The expected life of this asset is 50 years.

Project Name: **Sewer System Isolation in Areas Protected by Secondary Dikes**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 3 - 3

Project: 20300002yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	500	1,000	1,000	-	-	-	2,000	2,500
Financed by:									
Retained Earnings		500	1,000	1,000				2,000	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	500	1,000	1,000	-	-	-	-	2,500
Financed by:								
Retained Earnings	500	1,000	1,000					2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project involves isolating the sewer system in areas protected by secondary dikes from the remainder of the sewer system behind the primary dikes. This will involve one of three types of work for different locations:

1. Installation of gate valves on the house sewer connection;
2. Installation of sump pits and pumps and backwater valves in each property; or,
3. Installation of parallel sewer mains in streets.

The purpose of installing these works is to prevent complete flooding of a sewer district behind a primary dike should a secondary dike breach occur and flood the properties between the secondary and primary dikes.

The expected life of this asset is 50 years.

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Project Name: **Raw Sewage Pump Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 3

Project: 2031xx10yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,150	5,450	-	-	9,300	-	-	9,300	14,750
Financed by:									
Retained Earnings		5,450			9,300			9,300	14,750

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,450	-	-	9,300	-	-	-	14,750
Financed by:								
Retained Earnings	5,450			9,300				14,750

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Raw sewage pumping is an essential operation at the NEWPCC. The largest and oldest raw sewage pumps at the NEWPCC (pumps labeled as MP2, MP3, MP4 and MP6) were installed in 1965 and are each rated at 700 horsepower with a pumping capacity of 188 megalitres per day (ML/d). While these pumps have been maintained in good condition, repairs are becoming more difficult to complete. Parts are difficult to obtain and may have to be custom fabricated. The variable speed drives on pumps MP2 and MP4 are considered obsolete. Variable speed drives allow for more efficient pumping to pace the flows received at the NEWPCC.

Funding through to 2011 will be for: conceptual design pertaining to replacement of all six raw sewage pumps; functional and detailed design, contract administration, and additional services pertaining to immediate replacement of pumps MP4 and MP5; and a supply and installation contract for two variable speed pump/motor/drive assemblies and associated equipment and services for pumps MP4 and MP5.

Funding in 2014 will be for engineering and supply and delivery contracts for pumps MP2, MP3 and MP6.

The scope and cost for these upgrades will be reviewed and updated as engineering proceeds through the design and implementation phases.

The expected life of the pumps is 25 years. The expected life of the HVAC and Electrical systems is 15 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Upgrading External Power Supply - North End Water Pollution Control Centre (NEWPCC)**

Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 2
Project:	2031xx23yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	1,000	5,000	4,000	-	-	15,000	24,000	25,000
Financed by:									
Retained Earnings		1,000	5,000	4,000			15,000	24,000	25,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,000	5,000	4,000	-	-	15,000	-	25,000
Financed by:								
Retained Earnings	1,000	5,000	4,000			15,000		25,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The NEWPCC currently has two separate electrical power supply lines which are both capable of powering the entire NEWPCC facility. In the event of a power failure to one supply, the plant will continue to operate on the other supply.

When any additional treatment processes are added to the plant, this redundant power supply will be not be capable of powering the plant independently due to the increase power load demands.

The biological nutrient reduction processes must be implemented by December 2014 and will increase the plant power requirement beyond the current capacity of either of the two supplies. In anticipation of nutrient removal at the NEWPCC the existing power supplies must be assessed and upgraded. The estimated cost of this upgrade is $10,000,000.

The NEWPCC also requires stand-by power generation to keep critical plant processes such as controls, ventilation and partial treatment operating during power interuptions. Funding has been added to 2016 for this installation.

The life expectancy of this asset is 50 years.

Project Name: **Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20340009yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	8,000	2,800	3,000	-	-	-	-	3,000	5,800
Financed by:									
Retained Earnings		2,800	3,000					3,000	5,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,800	3,000	-	-	-	-	-	5,800
Financed by:								
Retained Earnings	2,800	3,000						5,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The West End Water Pollution Control Centre (WEWPCC) accepted waste from septic haulers as a disposal facility at the Perimeter Road Pumping Station. The design consultants for the WEWPCC Biological Nutrient Removal facility have recommended that this practice be stopped. On December 1, 2005, the Standing Policy Committee on Infrastructure Renewal and Public Works concurred with the recommendation. As of July 1, 2007, septage was no longer accepted at the WEWPCC and the septage receiving facility at the WEWPCC was closed. This project is to provide increased capacity at the other two facilities (North and South End Water Pollution Control Centres).

The name of this project has been revised from Septage Acceptance Facility - Wastewater Pollution Control Centres to Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres. The funding in 2008 and 2009 will be used to design and construct upgraded hauled liquid waste acceptance facilities at the North End Water Pollution Control Centres and include provisions for landfill leachate acceptance at the NEWPCC. Construction of this part of the project commenced in 2010.

Due to timing of design, tendering, construction and increased budget costs, the tendering and contruction of the South End Water Pollution Control Centre Hauled Liquid Waste Facility is anticipated to start in 2011.

To improve truck entry and exit security within the NEWPCC it is proposed to add an additional receiving/handling facility to the NEWPCC Hauled Liquid Waste Acceptance Facility in 2012 that will receive sludge from SEWPCC and WEWPCC. This facility will then maintain all truck traffic outside the secure fenced perimeter of the NEWPCC.

The expected life of the structures is 50 years, the expected life of electrical and mechanical components is 25 years, and the expected life for computer related systems is 10 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Re-Roofing at Water Pollution Control Centres**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 20300010yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A *	400	-	400	-	400	-	800	1,200
Financed by:									
Retained Earnings		400		400		400		800	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	-	400	-	400	-	-	1,200
Financed by:								
Retained Earnings	400		400		400			1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Various Water Pollution Control Centre buildings require re-roofing because the existing roofing has exceeded their functional life and are in need of frequent repair and servicing. Mechanical equipment and controls contained in these facilities require that the superstructures be adequately maintained to protect its components. Re-roofing in a timely and proactive manner will maximize the functional life of the facilities, protect the mechanical and control components contained in the facilities, and prevent structural damage to the facilities as a result of water leakage undergoing freeze-thaw cycles. The funding for this ongoing program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Centrifuge Replacement - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 2031xx24yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	-	1,500	8,000	-	-	-	9,500	9,500
Financed by:									
Retained Earnings			1,500	8,000				9,500	9,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	1,500	8,000	-	-	-	-	9,500
Financed by:								
Retained Earnings		1,500	8,000					9,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The centrifuge units de-water digested sludge produced as a residual of wastewater treatment processes. Sludge residuals from the South End and the West End Water Pollution Control Centres is processed at NEWPCC. There are 6 units that are subject to intense mechanical wear, have been in operation since 1990, and are failing with increasing frequency. For construction, operation, and maintenance reasons, these units must be identical to each other, and as such must be purchased over 2 years at maximum.

The life expectancy of this asset is 15 years.

Project Name: **River Crossings Monitoring and Rehabilitation**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20360007yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	1,300	1,300	1,300	1,300	1,300	1,300	6,500	7,800
Financed by:									
Retained Earnings		1,300	1,300	1,300	1,300	1,300	1,300	6,500	7,800

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,300	1,300	1,300	1,300	1,300	1,300	-	7,800
Financed by:								
Retained Earnings	1,300	1,300	1,300	1,300	1,300	1,300		7,800

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is for the rehabilitation and/or replacement of forcemain river crossings and for the installation of leak detection equipment on the existing waterway crossings.

The Department has completed a risk assessment of all river crossings in order to determine a prioritization plan to upgrade and replace any at risk river crossings as required by Environmental Licences issued by the Province of Manitoba for the wastewater collection system in the City of Winnipeg.

These funds will also be used to install continuous leak detection monitoring equipment at all river crossings as required by the Provincial Environmental License. The Department is currently undertaking a pilot program to evaluate and determine methods to meet this requirement.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

Project Name: **Water Pollution Control Centre Reliability Upgrades**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 20300005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	19,358	-	-	5,000	5,000	5,000	5,000	20,000	20,000
Financed by:									
Retained Earnings				5,000	5,000	5,000	5,000	20,000	20,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	5,000	5,000	5,000	5,000	-	20,000
Financed by:								
Retained Earnings			5,000	5,000	5,000	5,000		20,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

A risk and criticality assessment of the City's three water pollution control centres has been undertaken. The assessment outline required improvements to the existing systems to increase their reliability. The program will address the improvements which affect mechanical, electrical, and structural components at all three water pollution control centres.

The expected life of the structure upgrades is 50 years and the expected life of the electrical and mechanical components is 25 years.

Project Name: **Wastewater System Security Upgrades**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 2
Project: 20300015yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	500	500	500	500	500	2,500	2,500
Financed by:									
Retained Earnings			500	500	500	500	500	2,500	2,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	500	500	500	500	500	-	2,500
Financed by:								
Retained Earnings		500	500	500	500	500		2,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)		15	15
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	(15)	(15)

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The wastewater system is made up of complex infrastructure of sewers and pumping stations that convey sewage from Winnipeg homes and businesses to one of three wastewater treatment plants.

Operating the wastewater system is subject to legislation including City By-Laws, the Public Health Act, Operator Certification Regulations, Workplace Safety and Health Act and the Environment Act.

Safeguarding our infrastructure from accidental or intentional damage or destruction is critical to protecting public health and safety, preserving the environment and ensuring economic stability.

Funding is required for increased security measures to adequately protect the wastewater system.

The scope and cost of these security measures are preliminary at this time and will be reviewed and updated through the audit (expected completion by the end of 2010), design and implementation phases.

Project Name: **Traffic Safety Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 3

Project: 2031xx19yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	200	-	-	2,450	-	-	-	2,450	2,450
Financed by:									
Retained Earnings				2,450				2,450	2,450

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	2,450	-	-	-	-	2,450
Financed by:								
Retained Earnings			2,450					2,450

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The 1990 dewatering expansion at NEWPCC considered the need for traffic lights on Main Street at the exit due to the increase in large truck traffic and the safety concerns associated therewith, but this did not proceed at that time. Since then, large truck traffic at NEWPCC has increased over time from 20 - 25 large trucks/day to upwards of 100-150, with considerable increases in large leachate and liquid sludge trucks, construction trucks, as well as septage trucks and delivery/staff and contractor vehicles associated with plant expansions which are currently underway (in addition to the 100 large trucks/day). Meanwhile, the Chief Peguis bridge and surrounding developments have resulted in large increases in vehicular traffic on Main Street.

Over time, construction traffic will be replaced and exceeded by more septage trucks due to the closing of a West End receiving facility, by chemical delivery trucks due to treatment processes under construction, and by sludge trucks due to expansions at the City's other plants now underway. A traffic expert consultant assignment is urgently required to assess and develop alternatives and consult with authorities and obtain any needed approvals, followed by construction works (traffic lights, ramps, roadways, R/R crossings, access, etc.) to alleviate traffic safety issues both with on-site traffic and ingress/egress at Main Street.

The expected life of this asset is over 50 years.

Project Name: **Holding Tanks Restoration - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 2031xx20yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	100	2,550	-	2,550	-	-	-	2,550	5,100
Financed by:									
Retained Earnings		2,550		2,550				2,550	5,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	2,550	-	2,550	-	-	-	-	5,100
Financed by:								
Retained Earnings	2,550		2,550					5,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The four original digesters at the NEWPCC, built in the mid 1930's, are now used as digested sludge holding tanks, and are essential to the operation of the digested sludge dewatering facility, which serves all three of the City's wastewater treatment plants. The interior concrete walls are subject to corrosive gases and the interior wall and ceiling have deteriorated to the point where reinforcing steel is exposed in some areas. Assessment by qualified experts has been carried out. The recommended rehabilitation includes surface preparation, application of a sealant and/or coating and installation of anodes to assure continued functionality of these tanks and avoid the expense of complete rebuilding.

The expected life of this asset is over 50 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Primary Clarifier Covers - North End Water Pollution Control Centre (NEWPCC)**

Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 3
Project:	2031xx08yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	500	-	25,000	-	25,500	25,500
Financed by:									
Retained Earnings				500		25,000		25,500	25,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	500	-	25,000	-	-	25,500
Financed by:								
Retained Earnings			500		25,000			25,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The three uncovered primary clarifiers at the NEWPCC have been identified as one of the remaining untreated odour sources at the site. The original Primary Clarifier Cover project, first introduced into the 1992 Capital Budget Estimates forecast was set up to implement a cover/ventilation system which would facilitate year round maintenance and operational flexibility and provide odour control capability. The project scope of work and the budget were expanded to include replacement of the clarifier sweep mechanisms which was completed in early 2010.

The work now required on the NEWPCC Clarifiers is composed of the design and installation of clarifier covers and their ancillary equipment. The budget originally established for work required for the Clarifier Covers was developed in 2003. Recent construction cost increases averaging 15% per year, a better understanding of the required work and changes to the National Building Code have resulted in a new estimated cost of $25,500,000.

The expected life of this asset is over 50 years.

Project Name: **Wastewater Utility Asset Management Strategy**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 20300006yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	400	-	-	200	-	-	-	200	200
Financed by:									
Retained Earnings				200				200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	200	-	-	-	-	200
Financed by:								
Retained Earnings			200					200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Asset management principles are being utilized for various projects in the wastewater utility. Development of an asset management strategy is required to define goals, objectives and strategies for the development and maintenance of a consistent and effective asset management program involving all functions of the wastewater utility. The asset management strategy will identify, prioritize and establish the future direction of condition assessments, establish deterioration / life cycles for components, and recommend rehabilitation, maintenance, and associated financial requirements.

The expected life of this asset is over 50 years.

Project Name:	**New Discharge Chamber - North End Water Pollution Control Centre (NEWPCC)**		
Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 3
Project:	20310021yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	500	-	-	5,000	10,000	-	-	15,000	15,000
Financed by:									
Retained Earnings				5,000	10,000			15,000	15,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	5,000	10,000	-	-	-	15,000
Financed by:								
Retained Earnings			5,000	10,000				15,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The discharge chamber and related appurtenances were part of a major plant expansion in 1963. Due to age, wear, and the corrosive environment, extensive deterioration of this asset is evident. Funding in 2009 was for an engineering assessment on the condition and capacity of the discharge chamber and the conduit from the discharge chamber to the grit building. Funding in 2013 and 2014 will be for the design and construction of a second discharge chamber and will be dependent on the outcome of the condition assessment.

Estimates for rehabilitation of these chambers are preliminary at this time and will be revised as engineering assessment proceeds.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name:	**New Surgewell - North End Water Pollution Control Centre (NEWPCC)**		
Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 3
Project:	20310009yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,000	-	4,000	9,000	-	-	-	13,000	13,000
Financed by:									
Retained Earnings			4,000	9,000				13,000	13,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	4,000	9,000	-	-	-	-	13,000
Financed by:								
Retained Earnings		4,000	9,000					13,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The surgewell and related appurtenances were part of the original plant construction in 1936. Due to age, wear, and the corrosive environment, extensive deterioration of this asset is evident. In addition to constructing a new surgewell, consideration will be given to upgrading the on-site interceptors and pump suction header system to improve control of raw sewage inflows and provide redundancy for the plant inflow systems.

The expected life of the structure is 50 years and the expected life of the mechanical and electrical components is 25 years.

Project Name: **Grit Handling Upgrades - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20310002yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	2,400	4,900	6,600	-	5,000	18,900	18,900
Financed by:									
Retained Earnings			2,400	4,900	6,600		5,000	18,900	18,900

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	2,400	4,900	6,600	-	5,000	-	18,900
Financed by:								
Retained Earnings		2,400	4,900	6,600		5,000		18,900

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Funds included are for the engineering and construction of a new grit collection and handling system in the Grit Removal building at the NEWPCC. Phase 1 of this project involved tank geometry and air flow system upgrades in 2008. Phases 2 and 3 will include supply and installation of a grit collection, removal and classification systems into the four grit tanks, and Phase 4 will include the replacement of the grit conveyor system.

The expected life of the structure is 50 years and the expected life of the electrical and mechanical components is 25 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20350004yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	300	2,000	-	-	-	-	2,000	2,300
Financed by:									
Retained Earnings		300	2,000					2,000	2,300

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	300	2,000	-	-	-	-	-	2,300
Financed by:								
Retained Earnings	300	2,000						2,300

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing Cockburn combined sewer lift station is at its operating capacity. The proposed Bus Rapid Transit (BRT) and Fort Rouge Yards (FRY) Development will result in additional dry and wet weather flows to this station. To safely convey all dry weather flows to the wastewater treatment plants without risk of dry weather overflows, and maintaining sufficient wet weather flow capacity to protect against basement flooding, the station will require significant structural, mechanical and electrical upgrades.

The expected life of the structure is 50 years, and 25 years for the electrical and mechanical components.

Project Name:	**Environmental Services Laboratory Facility Upgrading - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 2
Project: 20300022yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	150	110	-	-	-	-	-	-	110
Financed by:									
Retained Earnings		110						-	110

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	110	-	-	-	-	-	-	110
Financed by:								
Retained Earnings	110							110

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Environmental Standards Division Laboratory is an ISO accredited (for analytical and calibration laboratories, ISO 17025) laboratory located at the North End Water Pollution Control Centre (NEWPCC). The existing laboratory space is insufficient with the addition of new staff to conduct laboratory work for the new water treatment plant and the additional wastewater systems. There is a storage room at the NEWPCC of approximately 49 m^2 (530 ft^2) that is available to be upgraded/converted to laboratory space.

The upgrade of this space includes a new heating, ventilating and air conditioning (HVAC) system to control air quality, new workstations and bench space and a new sample reception/preparation area. The cost identified also includes removal of the old duct work and other existing devices, upgrade to existing plumbing and new installation of new laboratory fume hoods, odour control canopies and incubators.

The expected life for this facility is approximately 20 years.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name:	**Fernbank Interceptor**		
Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 2
Project:	20370011yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	8,000	8,000	8,000
Financed by:									
Retained Earnings							8,000	8,000	8,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	8,000	-	8,000
Financed by:								
Retained Earnings						8,000		8,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes construction of an interceptor sewer to service lands in future developments in the Northeast sector of the City of Winnipeg, west of the Riverbend Subdivision and east of McPhillips Avenue.

The expected life of this asset is 75 years.

Project Name: **Warde Interceptor Extension**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 20370005yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	-	-	3,200	3,200	3,200
Financed by:									
Retained Earnings							3,200	3,200	3,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	-	-	3,200	-	3,200
Financed by:								
Retained Earnings						3,200		3,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project includes the construction of an interceptor sewer to service lands in future developments in the Southeast sector of the City of Winnipeg, east of the existing Royalwoods subdivision.

The expected life of this asset is 75 years.

Project Name:	**Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations**
Department:	Water and Waste - Sewage Disposal
Capital Priority Rating:	5 - 2
Project:	2040000211
Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	-	1,680	-	-	-	-	-	-	1,680
Financed by:									
Retained Earnings		1,680						-	1,680

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	1,680	-	-	-	-	-	-	1,680
Financed by:								
Retained Earnings	1,680							1,680

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations project includes implementing functionality of the Oracle Customer Care and Billing (CCB) system. Some components include upgrading the cashiering system to interface with a new payment processing system and capturing image and documentation of customer bill payments. The enhanced CCB will provide the avenue for increased customer service regarding bill and payment opportunities and functionality.

The project will prepare CCB for interfacing to the other primary department systems, such as Geographic Information System (GIS), so that an integral view of customer, work and asset information is available for better decision making. This will provide for more efficient routing for meter reading and maintenance, work routes for field crews and customer notification on water and sewer issues.

The CISS Project included $10 million (split between the Waterworks System Fund and the Sewage Disposal System Fund) for replacing the legacy mainframe system with the new web based CCB system. In order to mitigate risk and ensure a successful project, only the base system functionality was first implemented.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Sewer Service Line Asset Management and Rehabilitation Strategy**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20300023yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	-	-	500	500	550	1,550	1,550
Financed by:									
Retained Earnings					500	500	550	1,550	1,550

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	500	500	550	-	1,550
Financed by:								
Retained Earnings				500	500	550		1,550

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Currently under Schedule B of the Sewer By-Law the City bears the repair and/or replacement costs, under certain conditions for a private wastewater sewer service within the public right-of-way. Many wastewater sewer services are failing due to age and material properties.

The program will include the review and replacement of problem sewer services within the public right-of-way.

The expected life of this asset is approximately 75 years.

Project Name: **Digester Rehabilitation Project - North End Water Pollution Control Centre (NEWPCC)**

Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 4
Project:	20310025yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	5,000	1,000	1,000	1,000	1,000	-	4,000	9,000
Financed by:									
Retained Earnings		5,000	1,000	1,000	1,000	1,000		4,000	9,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	5,000	1,000	1,000	1,000	1,000	-	-	9,000
Financed by:								
Retained Earnings	5,000	1,000	1,000	1,000	1,000			9,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The NEWPCC has six anaerobic digesters, five of which are required for sludge treatment at maximum flows. In November 2009, Digester #11 suffered a process upset which resulted in damage to the roof structure and process equipment. The project scope will be defined in upcoming months and will include engineering analysis, roof repairs, piping system upgrades and process upgrades.

Upgrades to the remaining digesters will be implemented as quickly as possible to protect them from possible foaming problems to ensure their safe and reliable operation. Estimates are very preliminary at this time and will be refined as engineering assessments and designs proceed.

The life expectancy of the structure is 50 years. The life expectancy of the electrical and mechanical components is 20 years.

Project Name: **Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollutions Control Centres (WPCCs)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20400005yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012 **	2013 **	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	3,000	1,000	1,000	-	-	-	2,000	5,000
Financed by:									
Retained Earnings		3,000	1,000	1,000				2,000	5,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,000	1,000	1,000	-	-	-	-	5,000
Financed by:								
Retained Earnings	3,000	1,000	1,000					5,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department's three Water Pollution Control Centres (WPCC) utilize an ABB Infi90 Distributed Control System (DCS) with an ABB Process Control View (PCV) Human Machine Interface (HMI). It is an intricate network of specialized computers that monitor thousands of sensors throughout the plants and controls the treatment processes by making calculations and adjustments prescribed by operators and process control analysts using the HMI. This hardware was purchased between 1998 and 2003.

PCV is an older software package that runs on an operating system which gives rise to significant hardware compatibility issues in the event of replacement of existing computers. Newer computers require newer software drivers, which are not available in the current versions of the software that the Department owns. It is therefore not feasible to simply replace the existing computers as new computers will not be compatible with the existing software.

The purpose of this project is to implement immediate upgrades to the WPCCs' DCS and HMI systems to ensure that they remain operational and viable.

The expected life of this asset is 15 years.

** Supported by Class 3 estimate, see Appendix # 2.

Project Name: **Grit Tank Refurbishment - South End Water Pollution Control Centre (SEWPCC)**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 3
Project: 20320008yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	250	-	-	-	-	-	-	250
Financed by:									
Retained Earnings		250						-	250

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	250	-	-	-	-	-	-	250
Financed by:								
Retained Earnings	250							250

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The grit removal system at the SEWPCC was part of the original plant construction in 1974. The mechanical portion of this system has reached the end of its functional life and needs to be replaced. The work of this project will require the replacement of the pipes, valves and controls of the aeration components in the grit tanks.

The expected life is 25 years.

Project Name: **Centralized Facilities Renovation**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 2 - 2

Project: 20300011yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	150	-	-	-	-	-	-	150
Financed by:									
Retained Earnings		150						-	150

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	-	-	-	-	-	-	150
Financed by:								
Retained Earnings	150							150

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Water and Waste Department has identified organizational changes that will support the future expanded operations of both water and wastewater operations. The changes include transferring responsibility for local sewer services from the Water Services Division to the Wastewater Services Division which has been done.

Currently, the local water and sewer staff remain located in the same building. There may be significant efficiencies in amalgamating local sewer and regional sewer staff into one location and the establishment of mechanical, electrical and civil maintenance capability.

To identify the business case for this a facilities study will have to be undertaken. The recommendations from the study will then be implemented.

The life expectancy of this asset is 30 years.

Project Name:	**552 Plinguet Wastewater Services Garage Structural Rehabilitation**		
Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	3 - 2
Project:	20300014yy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	400	-	-	-	-	-	-	400
Financed by:									
Retained Earnings		400						-	400

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	-	-	-	-	-	-	400
Financed by:								
Retained Earnings	400							400

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The Wastewater Services garage building requires various building upgrades to the superstructure as the existing building has exceeded its functional life and is in need of repairs and servicing which may include improvements to the heating and ventilation system, electrical upgrades, insulation upgrades, etc. Equipment and materials contained in these facilities require that the superstructures be adequately maintained to protect its components.

Building upgrades in a timely and proactive manner will maximize the functional life of the facilities, protect the equipment and materials contained in the facilities, and prevent structural damage to the facilities as a result of water leakage undergoing freeze-thaw cycles. The funding for this program includes engineering, design, and re-roofing construction.

The expected life of this asset is 30 years.

Project Name: **Customer Service Upgrade to Telephony Communications System**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 3 - 3
Project: 20400005yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted **	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	-	-	-	-	-	-	100
Financed by:									
Retained Earnings		100						-	100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	-	-	-	-	-	-	100
Financed by:								
Retained Earnings	100							100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

An upgrade is required to the telephony system used for the Water Bill Inquiry Line (986-2455), which was originally purchased in 1997. This upgrade will provide enhanced functionality for the Water Bill Inquiry Line, including skills-based routing, enhanced reporting and statistics, scheduling optimization, and enhanced monitoring, recording and coaching capacity. It will ensure that the Water and Waste Department can more effectively use its resources to provide quality customer service in a more reliable environment.

The Department plans to upgrade to the same system currently being used by the 311 Contact Centre and the Handi-Transit Contact Centre to optimize resources, as 24/7 system support has already been established within the organization, and a training and back-up facility is already located at 510 Main Street. Although the new system will be more robust and effective, it is expected that annual operating expenses will remain the same as those currently being incurred.

The funding for this project is split 50/50 between the Waterworks System Fund and the Sewage Disposal System Fund.

* * Supported by Class 1 estimate, see Appendix # 2.

Project Name: **Secondary Clarifier Refurbishment - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 20310003yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	100	300	300	300	-	-	900	1,000
Financed by:									
Retained Earnings		100	300	300	300			900	1,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	100	300	300	300	-	-	-	1,000
Financed by:								
Retained Earnings	100	300	300	300				1,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The ten circular secondary clarifiers at the NEWPCC were constructed in 1963. Over the years the concrete launders, aluminum weir plates and the clarifier mechanism guide plates have required periodical maintenance to keep them functioning. At this time the concrete and metal parts of these components require more substantial repairs. This project will require an engineering assessment to establish the work program followed by a three-year repair program.

The expected life is 50 years.

Project Name: **Environmental Impact Statement and Public Hearings**

Department: Water and Waste - Sewage Disposal
Capital Priority Rating: 5 - 4
Project: 2034xx03yy
Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	1,316	200	200	100	100	100	-	500	700
Financed by:									
Environmental Reserve		200	200	100	100	100		500	700

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	200	200	100	100	100	-	-	700
Financed by:								
Environmental Reserve	200	200	100	100	100			700

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upon completion of the 2003 regulatory hearings of the Clean Environment Commission (CEC), it has been recommended and the Province has adopted that further regulatory reviews be undertaken in two (2) years and then every three (3) years thereafter.

Ongoing works to satisfy regulatory requirements will require documentation, monitoring, and support to demonstrate that the successful implementation of projects relating to the CEC recommendations, required as a condition of tripartite funding, are meeting compliance conditions.

Budgeted funds are for environmental assessment related studies/reports, public participation, regulatory liaison, site-specific assessments, monitoring and analysis, and future representation at hearings expected to the 2015 horizon.

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Project Name: **Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 2

Project: 20380001yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	32,068	4,100	16,200	17,200	16,200	16,200	17,200	83,000	87,100
Financed by:									
Environmental Reserve		4,100	16,200	17,200	16,200	16,200	17,200	83,000	87,100

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	4,100	16,200	17,200	16,200	16,200	17,200	-	87,100
Financed by:								
Environmental Reserve	4,100	16,200	17,200	16,200	16,200	17,200		87,100

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)	260	610	710
Debt and finance charges increase			
SURPLUS/(DEFICIT)	(260)	(610)	(710)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

It is the intent to create a multi-year combined sewer mitigation program that integrates with other major sewer programs, including:

- Basement flooding relief
- Sewer Condition Assessment and Condition Upgrading
- Pollution Control Centre Upgrading Programs

A Combined Sewer Overflow Master Implementation Plan will develop specific strategies for implementation that meet regulatory compliance. The plan will consider: 2003 CEC Hearings recommendations; Manitoba Conservation Guidance and Priorities; Canadian Council of Ministers on the Environment (CCME) Municipal Effluent Strategy Guidelines; consistency with prevailing international practice; understanding of benefits and costs; fiscal responsibility and environmental stewardship; initiation of near-term actions to reduce CSO's; and confirmation of long-range control program.

The Clean Environment Commission (CEC) has recommended that the City reduce the number of overflows to the local rivers within a 20 to 25 year timeframe.

Funds budgeted are for the development of a CSO Master Implementation plan, technical and economic analyses, program development, staging of mitigation works, annual monitoring programs, pilot studies, land acquisition, integration with other major sewer programs, overflow monitoring and reporting, and initiation and implementation of control measures, including SCADA (Supervisory Control and Data Acquisition).

As more CSO's are diverted to the wastewater treatment plants, additional treatment will need to be added to process the wet weather flows to meet effluent limits set in Environment Act Licences issued for each plant.

The expected life of the sewers is 50 years, mechanical components is 25 years and SCADA system is 10 years.

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Project Name: **Biosolids - Alternative Disposal Delivery & Management System**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 3

Project: 20310004yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	6,644	3,000	17,000	50,000	50,000	30,000	-	147,000	150,000
Financed by:									
Environmental Reserve		3,000	9,149	3,459	5,020	5,023		22,651	25,651
External Debt			7,851	46,541	44,980	24,977		124,349	124,349

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	3,000	17,000	50,000	50,000	30,000	-	-	150,000
Financed by:								
Environmental Reserve	3,000	9,149	3,459	5,020	5,023			25,651
External Debt		7,851	46,541	44,980	24,977			124,349

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The City of Winnipeg has reviewed its land application practices of biosolids relative to regulation requirements, emerging requirements associated with nutrient management regulations, changes to quantity and quality from upgraded wastewater treatment plants, and risk and criticality assessments done at all three plants. The City will have to implement an alternate biosolids management program as a result of the Provincial Nutrient Management Regulation.

The current WINGRO management program will need to be modified to satisfy the Regulation and will require significant capital investment and transition time to implement the required changes. A recently completed Biosolids Master Plan Study identified potential options, costs and timeframes to implement a new biosolids management program to comply with the Nutrient Management Regulations. Funds included are for engineering design and construction of an alternative to the existing WINGRO program.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Expansion project for the SEWPCC and NEWPCC, as well as an alternative Biosolids Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

The expected life of the facility is 50 years and the expected life of the mechanical components is 25 years.

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Project Name: **Nutrient Removal - North End Water Pollution Control Centre (NEWPCC)**

Department: Water and Waste - Sewage Disposal

Capital Priority Rating: 5 - 4

Project: 20310013yy

Service: Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	35,500	-	150,000	150,000	65,000	-	-	365,000	365,000
Financed by:									
External Debt			150,000	150,000	65,000			365,000	365,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	150,000	150,000	65,000	-	-	-	365,000
Financed by:								
External Debt		150,000	150,000	65,000				365,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Upon completion of the 2003 Clean Environment Commission Regulatory Hearings regarding the review of the wastewater treatment plants, it was learned that nutrient control for all three Pollution Control Centres is a high priority for the Province of Manitoba. The main concerns relate to excess nutrients (nitrogen (N) and phosphorus (P)) introduced to Lake Winnipeg contributing to undesirable blooms of blue-green algae.

Environment Act Licences have been issued for all three plants requiring a final effluent with total P and N concentrations of about 1 mg/L and 15 mg/L, respectively. The upgrade requirements for ammonia and/or nutrient reduction at the wastewater treatment plants must be considered jointly. The implementation of a nutrient removal (NR) process will require a major plant expansion and double the size of the current facility. Due to the timing and magnitude of the costs, a portion of the project will need to be debt financed if it is to be implemented within the next ten years.

The impact of changes in sludge quantity and quality resulting from a NR process upgrades will have a large impact on solids handling and land applications. The addition of wet weather treatment processes associated with combined sewer overflow (CSO) control must be considered in the overall NR process design and operation effluent disinfection for wet weather.

The required funding is based on meeting expected effluent limits on a rolling 30 day average basis. These limits are contained in an Environment Act License issued for this facility. Funding is being requested to allow for completion of the plant expansion by December 2014. Additional funds may be required and will be identified in succeeding years capital budgets.

The current funding requirement is based on planning level assessments and are subject to a great deal of uncertainty. These funding requirements will be updated as engineering progresses.

The City of Winnipeg will be implementing an alternative project delivery method for the Nutrient Removal/Expansion project for the SEWPCC and NEWPCC, as well as an alternative Biosoilds Management Program. As such, the Capital Budget needs and cash flow may need to be altered in the future, depending on how the projects are delivered.

The expected life of the structures is 50 years, the expected life of electrical and mechanical components is 25 years, and the expected life for computer related systems is 10 years.

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Project Name: **Sewer Renewal**

Department:	Water and Waste - Sewage Disposal	Capital Priority Rating:	5 - 2
Project:	2039xxxxyy	Service:	Wastewater

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	N/A*	13,200	13,900	14,600	15,300	16,100	16,900	76,800	90,000
Financed by:									
Sewer System Rehabilitation Reserve		13,200	13,900	14,600	15,300	16,100	16,900	76,800	90,000

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	13,200	13,900	14,600	15,300	16,100	16,900	-	90,000
Financed by:								
Sewer System Rehabilitation Reserve	13,200	13,900	14,600	15,300	16,100	16,900		90,000

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is a continuing program to replace and/or rehabilitate sewer infrastructure. Funds will be utilized to rehabilitate or replace combined, separate wastewater and land drainage sewers. Sewers will be replaced or rehabilitated using appropriate technologies, based on condition assessment determined through video inspection. A portion of the funding will be used for condition assessment. Additional funding has been added to the program due to the increased number of sewer mains requiring replacement/rehabilitation. The expected remaining life of each rehabilitated sewer ranges from 20 to 100 years, depending on the rehabilitation technology and the asset condition.

* N/A - No amounts have been included in the "Previous Budgets" due to this project's on-going nature.

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Project Name: **Summit Landfill Closure / Post-Closure**

Department: Water and Waste - Solid Waste Disposal

Capital Priority Rating: 3 - 2

Project: 20630001yy

Service: Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST					Five-Year Forecast Total	Six-Year Total
			2012	2013	2014	2015	2016		
Project Costs ($000's)	1,126	400	400	400	-	-	-	800	1,200
Financed by:									
Retained Earnings		400	400	400				800	1,200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	400	400	400	-	-	-	-	1,200
Financed by:								
Retained Earnings	400	400	400					1,200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

In compliance with the closure/post closure plan for the former Summit Road landfill site, there is a requirement to apply additional final cover over the site and to carry out final grading, drainage control, and vegetative cover. The additional cover and grading/drainage control, and vegetative cover will restrict infiltration of precipitation into the site reducing leachate (landfill liquids) production. This reduces the amount of leachate that needs to be pumped and treated from this site. There is also a requirement to secure this site from unauthorized access. The costs identified include acquiring fill for final cover, grading/drainage control, fencing, plantings, and signage, including associated engineering.

The expected life of this facility is 50 years.

Project Name:	**Miscellaneous Land Acquisition**		
Department:	Water and Waste - Solid Waste Disposal	Capital Priority Rating:	3 - 2
Project:	20610001yy	Service:	Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	450	-	-	-	200	-	-	200	200
Financed by:									
Retained Earnings					200			200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	-	200	-	-	-	200
Financed by:								
Retained Earnings				200				200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

With the 34 closed landfills in the City, there are occasions when there is a benefit to acquiring lands in proximity of these sites to provide additional buffer zones to minimize any impacts on adjacent private lands. There are also occasions when acquiring land would be beneficial to long term control, use, drainage works, or rehabilitation of a site. The cost identified includes the cost of acquiring land with associated administration costs.

Project Name:	**Landfill Cell Excavation**
Department:	Water and Waste - Solid Waste Disposal
Capital Priority Rating:	3 - 4
Project:	20620004yyyy
Service:	Solid Waste Collection & Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	2,875	-	-	1,300	1,330	1,370	1,410	5,410	5,410
Financed by:									
Retained Earnings				1,300	1,330	1,370	1,410	5,410	5,410

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	-	1,300	1,330	1,370	1,410	-	5,410
Financed by:								
Retained Earnings			1,300	1,330	1,370	1,410		5,410

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The remaining capacity at the Brady Road Landfill is approximately 100-150 years. The funding identified provides for annual cell excavations and related works to accommodate lateral expansion of the landfill. This involves excavating a below ground cell, constructing a natural clay or artificial liner and a leachate (landfill liquids) collection system at the base of the excavation. Filling with refuse then progresses within the cell in layers until the design height above ground has been achieved, by which time the next cell has been prepared. This is planned as an annual program.

The cost identified includes the cost of excavating and stockpiling excavated soil, constructing the liner, and installation of the leachate collection system, including associated engineering.

The expected life of this facility is 50 years.

Project Name: **Summit Landfill Leachate Collection Assessment**

Department: Water and Waste - Solid Waste Disposal

Capital Priority Rating: 3 - 3

Project: 20630002yy

Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

Note: *Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The existing leachate collection system at the former Summit Road Landfill site is over 20 years old. Similar leachate collection systems have been subjected to clogging problems in the past. It is important to keep this system functioning effectively to be able to keep leachate levels down and contained, therefore an assessment is required to determine the effectiveness of the system at the Summit Road Landfill. The funding proposed for 2012 will involve retaining an engineering consultant to conduct investigations at the site and provide a report on the condition of the leachate collection system and any rehabilitation work required. Funding for any rehabilitation work required as a result of the investigations will be included in future budgets.

Project Name: **Closed Landfills Disposition Study**

Department: Water and Waste - Solid Waste Disposal

Capital Priority Rating: 3 - 2

Project: 20600003yy

Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	200	-	-	-	-	200	200
Financed by:									
Retained Earnings			200					200	200

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	200	-	-	-	-	-	200
Financed by:								
Retained Earnings		200						200

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

The funding identified provides for an update of the 1993 study, which examined the disposition of the 34 closed landfills in Winnipeg, regarding landfill gas, groundwater and surface water contamination risk, and leachate (landfill liquids) conditions. In addition, this project would examine potential opportunities for beneficial end use of presently unused sites and the cost/benefit of removing the refuse and restoring candidate sites to near natural conditions.

Project Name: **Provision for Implementation of the Waste Management Strategy**

Department: Water and Waste - Solid Waste Disposal

Capital Priority Rating: 3 - 2

Project: 20650007yy

Service: Solid Waste Collection and Disposal

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012**	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	-	-	23,500	2,000	-	-	-	25,500	25,500
Financed by:									
External Debt			23,500	2,000				25,500	25,500

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	-	23,500	2,000	-	-	-	-	25,500
Financed by:								
External Debt		23,500	2,000					25,500

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase		1,065	1,000
SURPLUS/(DEFICIT)	-	(1,065)	(1,000)

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

This project is dependent on the outcome of the Comprehensive Waste Management Strategy under preparation, as approved by Council on June 23, 2010.

** Supported by Class 3 estimate, see Appendix # 2.

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Project Name: **Golf Course Improvements**

Department: Winnipeg Golf Services
Project: 639xxxxx10
Capital Priority Rating: 1 - 3
Service: Golf Services (SOA)

AUTHORIZATION	Previous Budgets	2011 Adopted	FORECAST 2012	2013	2014	2015	2016	Five-Year Forecast Total	Six-Year Total
Project Costs ($000's)	415	150	150	-	-	-	-	150	300
Financed by:									
Cash to Capital	115	(23)	(23)	(23)	(23)	(23)		(92)	(115)
Golf Course Reserve	300	173	173	23	23	23		242	415

CASH FLOW	2011	2012	2013	2014	2015	2016	Beyond 2016	Total
Project Costs ($000's)	150	150	-	-	-	-	-	300
Financed by:								
Cash to Capital	(23)	(23)	(23)	(23)	(23)			(115)
Golf Course Reserve	173	173	23	23	23			415

NET OPERATING IMPACT	2011	2012	2013
Revenue increase/(decrease)			
Less:			
Operating expenditures increase/(decrease)			
Debt and finance charges increase			
SURPLUS/(DEFICIT)	-	-	-

***Note:** Net Operating Impact = Revenue - Operating expenditures - Debt and finance charges*

Capital improvements consist of refurbishment and/or replacement of greens, tee boxes and fairways as well as reforestation, equipment purchases and improvements to land drainage, irrigation systems and clubhouse facilities.

Winnipeg

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The City of Winnipeg

SERVICE BASED VIEW

2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

Adopted by Council on February 22, 2011

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CAPITAL PROJECTS SUMMARY ***SERVICED BASED VIEW*** **(in Thousands of $)**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
	BUDGET	**FORECAST**					**2011-2016**
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS							
Roadway Construction and Maintenance	106,496	67,820	58,081	64,342	62,999	58,278	418,016
Transportation Planning and Traffic Management	4,550	3,650	2,950	1,550	1,550	1,550	15,800
Roadway Snow Removal and Ice Control		600					600
City Beautification	1,300	1,300	900	1,300	900	1,300	7,000
Land Drainage and Flood Control	6,248	10,390	17,875	15,448	16,600	16,208	82,769
Parks and Urban Forestry	9,359	5,954	6,294	6,384	5,862	8,483	42,336
Public Transit	28,113	25,009	28,085	29,269	22,287	29,021	161,784
Water	27,570	29,485	33,570	24,160	21,300	35,450	171,535
Wastewater	47,590	222,300	280,250	182,350	99,850	73,400	905,740
Solid Waste Collection & Disposal	400	24,300	3,700	1,530	1,370	1,410	32,710
Total Infrastructure Renewal and Public Works	231,626	390,808	431,705	326,333	232,718	225,100	1,838,290
PROTECTION AND COMMUNITY SERVICES							
Police Response	99,539	7,990	12,924	16,215	5,236	800	142,704
Fire and Rescue Response			5,000	858	5,000	8,000	18,858
Recreation	5,535	8,355	4,855	5,135	8,085	9,105	41,070
Golf Services (SOA)	150	150					300
Libraries	1,700	6,400	6,050	3,700	3,900	6,400	28,150
Arts, Entertainment and Culture	9,773	9,623	9,623	9,623	9,623	9,623	57,888
Insect Control					2,250		2,250
Total Protection and Community Services	116,697	32,518	38,452	35,531	34,094	33,928	291,220
PROPERTY AND DEVELOPMENT							
Neighbourhood Revitalization	3,858	3,888	3,919	3,950	4,482	4,115	24,212
Heritage Conservation		200	200	200	200	200	1,000
Cemeteries	400	300	300	300	360	332	1,992
Property Asset Management - Tax Supported	500	300	500	500	300	500	2,600
Property Asset Management - Municipal Accommodations	4,350	3,274	4,500	4,080	4,250	3,647	24,101
Total Property and Development	9,108	7,962	9,419	9,030	9,592	8,794	53,905
EXECUTIVE POLICY							
Organizational Support Services	4,284	2,273	1,788	2,207	2,328	1,876	14,756
Assessment, Taxation and Corporate	7,899	600	150		750	500	9,899
Council Services	500	650	650	700	500		3,000
Total Executive Policy	12,683	3,523	2,588	2,907	3,578	2,376	27,655
TOTAL CAPITAL PROGRAM	370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

CAPITAL PROJECTS SUMMARY	**DETAIL**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
CAPITAL PROJECTS LISTING								
INFRASTRUCTURE RENEWAL AND PUBLIC WORKS								
Roadway Construction and Maintenance								
Public Works								
Recreational Walkways and Bike Paths - Various Locations	3-1	1,000	500	500	500	500	500	3,500
New Regional Sidewalks	3-2	250	250	250	250	250	250	1,500
Active Transportation Corridors	3-3	500	500	500	500	500	500	3,000
Active Transportation Project - Infrastructure Stimulus Fund - Approved by Council on December 15, 2010	3-4	2,958						2,958
Developer Payback - Various Locations	3-6	2,600	9,000	2,000				13,600
Tuxedo Yards Development	3-7	3,117	3,166		700	1,100	1,600	9,683
Kenaston Blvd - Academy Road to Taylor Avenue	3-8	100	100	100	100	100	100	600
Regional and Local Streets	3-10	42,946	28,323	36,284	42,887	40,549	44,828	235,817
Sturgeon Road Bridge (Sturgeon Creek)	3-12	533	11,477					12,010
Osborne Street Bridge (Assiniboine River) - First charge on 2011 Capital Budget $10,100,000 and 2012 Capital Budget $7,255,000 (Council January 26, 2011)	3-13	10,100	7,255					17,355
Waverley Street / CN Mainline Grade Separation	3-14		1,000					1,000
Louise Bridge (Red River)	3-15			2,581		2,000		4,581
Fermor Avenue Bridge (Seine River)	3-17						500	500
Saskatchewan Avenue Culvert (Sturgeon Creek)	3-18						1,000	1,000
Pembina Highway Underpass	3-19	1,300		7,000	6,000			14,300
St. James Street Bridge (Omand's Creek)	3-20		200	1,961				2,161
Ness Avenue Culvert (Sturgeon Creek)	3-21			1,000	2,000	8,000		11,000
Portage Avenue Bridge (Sturgeon Creek)	3-22		500	500	5,000			6,000
Saskatchewan Avenue Bridge (Omand's Creek)	3-23				500	2,000		2,500
Lyndale Drive - Retaining Wall Rehabilitation	3-24				500	500	3,000	4,000
Osborne Street Underpass	3-25					2,500		2,500
Waterway Crossing and Grade Separations - Annual Program - First Charge on 2011 Capital Budget for Waterway Crossings and Grade Separations Annual Program - Structure Rehabilitation - Portage Avenue at Truro Creek $800,000 (Council December 15, 2010)	3-26	3,000	2,000	2,000	2,000	2,000	3,000	14,000
Chief Peguis Trail - Henderson Highway to Lagimodiere Blvd - First Charge on 2011 Capital Budget for Chief Peguis Trail right of way - Amber Trails Subdivision (Council July 21, 2010)	3-30	34,200						34,200
Waverley West Arterial Roads Project	3-32	3,400						3,400
Asset Management System - Various Divisions	3-34	492	549	405	405			1,851
Assessment and Taxation								
Local Improvements - Ongoing Program	3-50		3,000	3,000	3,000	3,000	3,000	15,000
Total Roadway Construction and Maintenance		106,496	67,820	58,081	64,342	62,999	58,278	418,016

CAPITAL PROJECTS SUMMARY	DETAIL	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
SERVICED BASED VIEW	PAGE	BUDGET	FORECAST					2011-2016
(in Thousands of $)	NO.	2011	2012	2013	2014	2015	2016	TOTAL
Transportation Planning and Traffic Management ***Public Works*** Traffic Signals Enhancement	3-5	2,300	2,300					4,600
Traffic Engineering Improvements - Various Locations - First Charge on 2011 Capital Budget for Pedestrian Half Signal - Osborne Street and Wardlaw Avenue $111,300 (Council July 21, 2010)	3-9	1,950	1,050	1,150	1,250	1,250	1,250	7,900
CPR Yards Functional Crossing Study - between McPhillips Street and Main Street	3-16			1,500				1,500
Land Acquisition - Transportation Right of Way	3-36	300	300	300	300	300	300	1,800
Total Transportation Planning and Traffic Management		4,550	3,650	2,950	1,550	1,550	1,550	15,800
Roadway Snow Removal and Ice Control ***Public Works*** Sand / Salt Storage Facility	3-37		600					600
Total Roadway Snow Removal and Ice Control			600					600
City Beautification ***Planning, Property and Development*** Downtown Enhancement Program	3-85	400	400	400	400	400	400	2,400
Community and Neighborhood Main Streets (formerly Image Route Enhancements / Streetscaping)	3-86	400	400		400		400	1,600
Public Art Strategy	3-87	500	500	500	500	500	500	3,000
Total City Beautification		1,300	1,300	900	1,300	900	1,300	7,000

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* (in Thousands of $)	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016
		2011	2012	2013	2014	2015	2016	TOTAL
Land Drainage and Flood Control								
Public Works								
Land Drainage Sewers - Regional / Local Streets	3-35	150	150	150	150	150	150	900
Water and Waste								
Stormwater Retention Basin Rehabilitation	3-133	200		400		400		1,000
Flood Pumping Station Rehabilitation	3-134	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Land Drainage and Combined Sewers Outfall Gate Structures	3-135	1,350		1,100		1,500	1,500	5,450
Floodplain Management	3-136	100	200		100		100	500
Seine River Waterway Acquisition	3-137	150	150	150	150	150	150	900
Primary Dike Upgrading	3-138	1,348	1,890	300	948	900	1,000	6,386
Land Drainage Safety Upgrading Program	3-139		100		100			200
Land Drainage Asset Management Strategy	3-140			200				200
Land Drainage Utility Study and Implementation	3-141			500				500
Permanent Flood Pumping Stations	3-142		250					250
Flood Manual Upgrades	3-143				900	500		1,400
Land Drainage Supervisory Control and Data Acquisition (SCADA) System	3-144	100	100	100	100			400
Outfall Rehabilitation	3-145	1,550	1,750	1,300	1,200	1,200	1,508	8,508
Combined Sewer Flood Relief	3-146		4,000	11,000	10,000	10,000	10,000	45,000
Flood Relief Sewers - Separate	3-147	300	300	300	300	300	300	1,800
Development Agreement Paybacks	3-148		500	500	500	500	500	2,500
Fernbank Avenue Land Drainage Sewer	3-149			875				875
Total Land Drainage and Flood Control		6,248	10,390	17,875	15,448	16,600	16,208	82,769

CAPITAL PROJECTS SUMMARY	**DETAIL**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Parks and Urban Forestry								
Public Works								
Reforestation - Improvements	3-39	383	387	383	383	383	383	2,302
Athletic Fields - Improvements	3-40	200		200	200	124	200	924
Parks - Improvements	3-41	712	617	677	653	655	655	3,969
Multi-Use Recreation Sites - Parking Lot Renewals	3-42	1,500						1,500
Regional & Community Parks - Buildings	3-43	1,150					2,150	3,300
Playground Structures	3-44	1,750	1,800	1,800	1,800	1,800	1,800	10,750
Hardsurface Upgrading (formerly Pathway/Roadway/Tennis Court Upgrading)	3-45			150	150		150	450
Boat Launch and Dock - Reconstruction	3-46	500						500
Community Park Amenities	3-47	1,500	1,500	1,500	1,500	1,500	1,500	9,000
Planning, Property and Development								
Riverbank Greenway Programs	3-83	403	400	381	400	400	443	2,427
Developer Payback	3-90	261	250	203	298		202	1,214
Riverbank Stabilization - Physical Asset Protection	3-91	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Total Parks and Urban Forestry		9,359	5,954	6,294	6,384	5,862	8,483	42,336
Public Transit								
Transit								
Fare Collection System	3-128	2,370						2,370
Innovative Transit Program	3-129		800	800	800	800	1,000	4,200
Transit Building Replacement / Refurbishment	3-130	7,293	9,409	10,700	11,569	2,940	4,171	46,082
Transit Buses	3-131	18,350	14,500	16,585	16,900	18,547	23,850	108,732
Asset Management Program	3-132	100	300					400
Total Public Transit		28,113	25,009	28,085	29,269	22,287	29,021	161,784

CAPITAL PROJECTS SUMMARY SERVICED BASED VIEW (in Thousands of $)	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016
		2011	2012	2013	2014	2015	2016	TOTAL
Water								
Water and Waste - Waterworks System								
Saskatchewan Avenue Watermain	3-150			3,900				3,900
Water Supervisory Control and Data Acquisition (SCADA) Upgrade	3-151	1,800	2,900					4,700
Shoal Lake Intake Chloramination Facility	3-152		2,000					2,000
General Water Infrastructure Rehabilitation	3-153		300	300	500	500	1,000	2,600
Waverley West Feedermain	3-154			6,800				6,800
Feedermain Condition Assessment and Rehabilitation	3-155	500	500	500	1,000	1,000	1,000	4,500
Water Utility Asset Management Strategy	3-156		200					200
Water Supply Valve Installation / Replacement Program	3-157	750	750	750	750	750	750	4,500
Hurst Pumping Station Building - Structural Repairs	3-158	900						900
Chlorination Decommission at Regional Pump Stations	3-159		115					115
Deacon Chemical Feed Facility Upgrading	3-160	1,000						1,000
Regional Pumping Stations Structural Upgrades	3-161		500					500
Wilkes Reservoir "B" Pit Upgrades/Rehabilitation	3-162	600						600
Regional Pumping Stations Reliability Upgrades	3-163	1,000	1,000	1,000	1,000			4,000
Waterworks System Security Upgrades	3-164	850	500	500	500	500	150	3,000
Regulatory Assessment of Water System Infrastructure and Water Supply Sources	3-165				610			610
Shoal Lake Aqueduct Asset Preservation	3-166	700	1,300			1,000	1,000	4,000
Aqueduct Bridging Structure at Deacon	3-167	600						600
Deacon Reservoir Cell Rehabilitation Project (formerly Deacon Reservoir Box Culvert Rehabilitation and Embankment Repairs)	3-168	1,400	750					2,150
Deacon Booster Pumping Station Suction Header Divider Valve	3-169	1,200						1,200
Foundation Drainage Improvements for Deacon Booster Pumping Station	3-170	250						250
Water Works By-law 504/73 Revision	3-171	175						175
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-172	110						110
Deacon Site Flood Protection	3-173		500					500
Tache Booster Pumping Station	3-174		500	3,000	1,800			5,300
Water Treatment Research and Process Optimization Facility	3-175	100	650					750
Branch Aqueduct Condition Assessment and Rehabilitation	3-176		500	500	1,000			2,000
Water Services Division Operations Accreditation	3-177			500				500
Water Treatment Plant Upgrading	3-178						10,000	10,000
Ultraviolet Light Disinfection Upgrade/Rehabilitation	3-179						4,000	4,000
Water Service Line Asset Management and Rehabilitation Strategy	3-180			500	500	550	550	2,100
Aqueduct Information Management System	3-181			200				200
McPhillips Reservoir Slope Stabilization	3-182			120				120
Public Water Outlets	3-183				500			500

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* (in Thousands of $)	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016
		2011	2012	2013	2014	2015	2016	TOTAL
Water (continued)								
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-184	1,680						1,680
Meter Infrastructure Program	3-185	355	2,520					2,875
Customer Service Upgrade to Telephony Communications System	3-186	100						100
Watermain Renewals	3-187	13,500	14,000	15,000	16,000	17,000	17,000	92,500
Total Water		27,570	29,485	33,570	24,160	21,300	35,450	171,535
Wastewater								
Water and Waste - Sewage Disposal								
Lift Stations Upgrading	3-188	2,000	2,000	750	750	750	750	7,000
Inflow / Infiltration / Cross-Connection Study and Mitigation	3-189			500	500	3,000		4,000
Sewer System Isolation in Areas Protected by Secondary Dikes	3-190	500	1,000	1,000				2,500
Raw Sewage Pump Replacement - NEWPCC	3-191	5,450			9,300			14,750
Upgrading External Power Supply - NEWPCC	3-192	1,000	5,000	4,000			15,000	25,000
Hauled Liquid Waste Acceptance Facility - Wastewater Pollution Control Centres	3-193	2,800	3,000					5,800
Re-Roofing at Water Pollution Control Centres	3-194	400		400		400		1,200
Centrifuge Replacement - NEWPCC	3-195		1,500	8,000				9,500
River Crossings Monitoring and Rehabilitation	3-196	1,300	1,300	1,300	1,300	1,300	1,300	7,800
Water Pollution Control Centre Reliability Upgrades	3-197			5,000	5,000	5,000	5,000	20,000
Wastewater System Security Upgrades	3-198		500	500	500	500	500	2,500
Traffic Safety Upgrades - NEWPCC	3-199			2,450				2,450
Holding Tanks Restoration - NEWPCC	3-200	2,550		2,550				5,100
Primary Clarifier Covers - NEWPCC	3-201			500		25,000		25,500
Wastewater Utility Asset Management Strategy	3-202			200				200
New Discharge Chamber - NEWPCC	3-203			5,000	10,000			15,000
New Surgewell - NEWPCC	3-204		4,000	9,000				13,000
Grit Handling Upgrades - NEWPCC	3-205		2,400	4,900	6,600		5,000	18,900
Cockburn Lift Station Upgrades to Facilitate Fort Rouge Yards Development (formerly Cockburn & Jesse Lift Stations Upgrades to Facilitate Fort Rouge Yards Development)	3-206	300	2,000					2,300
Envrionmental Services Laboratory Facility Upgrading - NEWPCC (formerly Laboratory Facility Upgrades - NEWPCC)	3-207	110						110
Fernbank Interceptor	3-208						8,000	8,000
Warde Interceptor Extension	3-209						3,200	3,200
Customer Information and Services System (CISS) - Interfaces, Payment Processing and Optimizations	3-210	1,680						1,680
Sewer Service Line Asset Management and Rehabilitation Strategy	3-211				500	500	550	1,550
Digester Rehabilitation Project - NEWPCC	3-212	5,000	1,000	1,000	1,000	1,000		9,000

CAPITAL PROJECTS SUMMARY	**DETAIL**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Wastewater (continued)								
Distributed Control System (DCS) & Human Machine Interface (HMI) upgrades at Water Pollution Control Centres (WPCCs)	3-213	3,000	1,000	1,000				5,000
Grit Tank Refurbishment - SEWPCC	3-214	250						250
Centralized Facilities Renovation	3-215	150						150
552 Plinguet Wastewater Services Garage Structural Rehabilitation	3-216	400						400
Customer Service Upgrade to Telephony Communications System	3-217	100						100
Secondary Clarifier Refurbishment - NEWPCC	3-218	100	300	300	300			1,000
Environmental Impact Statement and Public Hearings	3-219	200	200	100	100	100		700
Combined Sewer Overflow (CSO) Management Strategy & Miscellaneous Mitigation	3-220	4,100	16,200	17,200	16,200	16,200	17,200	87,100
Biosolids - Alternative Disposal Delivery & Management System	3-221	3,000	17,000	50,000	50,000	30,000		150,000
Nutrient Removal - NEWPCC	3-222		150,000	150,000	65,000			365,000
Sewer Renewal	3-223	13,200	13,900	14,600	15,300	16,100	16,900	90,000
Total Wastewater		47,590	222,300	280,250	182,350	99,850	73,400	905,740
Solid Waste Collection & Disposal								
Water and Waste - Solid Waste Disposal								
Summit Landfill Closure / Post-Closure	3-224	400	400	400				1,200
Miscellaneous Land Acquisition	3-225				200			200
Landfill Cell Excavation	3-226			1,300	1,330	1,370	1,410	5,410
Summit Landfill Leachate Collection Assessment	3-227		200					200
Closed Landfills Disposition Study	3-228		200					200
Provision for Implementation of the Waste Management Strategy	3-229		23,500	2,000				25,500
Total Solid Waste Collection & Disposal		400	24,300	3,700	1,530	1,370	1,410	32,710
TOTAL INFRASTRUCTURE RENEWAL AND PUBLIC WORKS		231,626	390,808	431,705	326,333	232,718	225,100	1,838,290

CAPITAL PROJECTS SUMMARY	DETAIL	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
SERVICED BASED VIEW	PAGE	BUDGET	FORECAST					2011-2016
(In Thousands of $)	NO.	2011	2012	2013	2014	2015	2016	TOTAL
PROTECTION AND COMMUNITY SERVICES								
Police Response								
Winnipeg Police Service								
Winnipeg Police Service Communications Systems	3-66		3,390					3,390
Automated Fingerprint Identification System (AFIS) Replacement	3-67	179		321				500
Mobile Laptops	3-68			1,200				1,200
Officer Mobile Video System	3-69					1,000		1,000
Radio Upgrade for Districts 3 and 4	3-70						500	500
Computer Assisted Dispatch	3-71					1,800		1,800
Police Division's Systems Upgrades	3-72				5,016	2,436	300	7,752
West Station Information Technology Requirements	3-74		500					500
North Station Information Technology Requirements	3-75			500				500
Police Building Replacement	3-77		4,100					4,100
Winnipeg Police Headquarters	3-78	99,360						99,360
Police Headquarters - Other	3-79			10,903	11,199			22,102
Total Police Response		99,539	7,990	12,924	16,215	5,236	800	142,704
Fire and Rescue Response								
Fire Paramedic Service								
Facilities Replacement and Relocation Program	3-80			5,000	858	3,000	4,000	12,858
Replacement Radio System	3-81					2,000	4,000	6,000
Total Fire and Rescue Response				5,000	858	5,000	8,000	18,858

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* **(In Thousands of $)**	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016
		2011	2012	2013	2014	2015	2016	TOTAL
Recreation								
Community Services								
Recreational Facility Safety & Accessibility Improvements	3-56		400	400	500	500	600	2,400
Business Application Systems	3-58			250				250
Recreation Equipment Program - New Facilities	3-59					400		400
Technology Upgrade and Replacement	3-60				250			250
Recreation Facility Replacement - Various	3-62		2,750			2,800	2,600	8,150
Recreation Refurbishment and Redevelopment	3-63	1,000	1,000				1,500	3,500
Municipal Accommodations								
Community Centres - Refurbishing and Improvements - First Charge on 2011 Capital Budget for Expansion/Renovation of the Lindenwoods Community Centre, $410,000 (Council July 21, 2010)	3-103	910	500	500	700	700	700	4,010
Arenas	3-104	525	525	525	525	525	525	3,150
Indoor Aquatic Facilities	3-105	2,240	2,530	2,530	2,530	2,530	2,530	14,890
Outdoor Aquatic Facilities	3-106	350	350	350	330	330	350	2,060
Community Facilities	3-107	410	200	200	200	200	200	1,410
UFF - Hockey Pen Light Standard Replacement	3-109	100	100	100	100	100	100	600
Total Recreation		5,535	8,355	4,855	5,135	8,085	9,105	41,070
Golf Services (SOA)								
Winnipeg Golf Services								
Golf Course Improvements	3-230	150	150					300
Total Golf Services (SOA)		150	150					300
Libraries								
Community Services								
Library Shelving and Furniture Replacement Program	3-52	200	200	200	200	200	200	1,200
Library Replacement - Various	3-53	1,000	5,500	4,000	2,000	3,000	5,000	20,500
Renovate and Refurbish Various Library Branches Program	3-54	500	500	1,000	800		500	3,300
Library Technology Upgrade and Replacement	3-55				500	500	500	1,500
Library Signage, Safety and Accessibility	3-57		200	200	200	200	200	1,000
Mobile Library Service Vehicle	3-61			650				650
Total Libraries		1,700	6,400	6,050	3,700	3,900	6,400	28,150

CAPITAL PROJECTS SUMMARY	**DETAIL**	**ADOPTED BY COUNCIL FEBRUARY 22, 2011**						
SERVICED BASED VIEW	**PAGE**	**BUDGET**	**FORECAST**					**2011-2016**
(in Thousands of $)	**NO.**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**TOTAL**
Arts, Entertainment and Culture								
Community Services								
Assiniboine Park Conservancy (APC) - Upgrades and Improvements	3-64	5,123	5,123	5,123	5,123	5,123	5,123	30,738
Assiniboine Park Conservancy (APC) - Capital Development Plan	3-65	4,500	4,500	4,500	4,500	4,500	4,500	27,000
City Clerks								
Manitoba Children's Museum Capital Renewal Project	3-115	100						100
Le Cercle Moliére Theatre Facility	3-116	50						50
Total Arts, Entertainment and Culture		9,773	9,623	9,623	9,623	9,623	9,623	57,888
Insect Control								
Public Works								
Insect Control - Information System	3-48					1,250		1,250
Insect Control - Replace 3 Grey Street Operations Building	3-49					1,000		1,000
Total Insect Control						2,250		2,250
TOTAL PROTECTION AND COMMUNITY SERVICES		116,697	32,518	38,452	35,531	34,094	33,928	291,220
PROPERTY AND DEVELOPMENT								
Neighbourhood Revitalization								
Public Works								
City-Wide Accessibility Program	3-38	350	350	350	350	350	350	2,100
Community Services								
Community Incentive Grant Program	3-51	1,508	1,538	1,569	1,600	1,632	1,665	9,512
Planning, Property and Development								
Building Communities Initiative II	3-93	2,000	2,000	2,000	2,000	2,500	2,100	12,600
Total Neighourhood Revitalization		3,858	3,888	3,919	3,950	4,482	4,115	24,212
Heritage Conservation								
Municipal Accommodations								
Historic Buildings	3-100		200	200	200	200	200	1,000
Total Heritage Conservation			200	200	200	200	200	1,000

CAPITAL PROJECTS SUMMARY *SERVICED BASED VIEW* (in Thousands of $)	DETAIL PAGE NO.	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
		BUDGET	FORECAST					2011-2016
		2011	2012	2013	2014	2015	2016	TOTAL
Cemeteries								
Planning, Property and Development								
Cemeteries - Improvements	3-84	400	300	300	300	360	332	1,992
Total Cemeteries		400	300	300	300	360	332	1,992
Property Asset Management - Tax Supported								
Planning, Property and Development								
Computer Automation	3-82	200		200	200		200	800
Land Acquisition for General Unspecified Purposes	3-89	300	300	300	300	300	300	1,800
Total Property Asset Management - Tax Supported		500	300	500	500	300	500	2,600
Property Asset Management - Municipal Accommodations								
Municipal Accommodations								
General Building Renovation and Refurbishing	3-94	500	500	500	500	500	500	3,000
Accommodation Facilities	3-95	1,100	1,100	2,200	1,830	2,100	1,820	10,150
Fire/Life Safety/Regulatory Upgrades	3-96	525	549	525	1,125	725	625	4,074
Energy Conservation	3-97		200	150	200	100	100	750
Civic Centre Car Park Tunnel	3-98		200				100	300
Tenant Improvement Prepayment - Major Department	3-99		500			200	200	900
Generator Set Replacement and Upgrades	3-101			800		200		1,000
Security/Building Automation System Initiatives	3-102	125	125	225	225	225	140	1,065
Building Asset / Work Management Program	3-108	100	100	100	200	200	162	862
University of Winnipeg - Soccer Complex	3-111	2,000						2,000
Total Property Asset Management - Municipal Accommodations		4,350	3,274	4,500	4,080	4,250	3,647	24,101
TOTAL PROPERTY AND DEVELOPMENT		9,108	7,962	9,419	9,030	9,592	8,794	53,905

CAPITAL PROJECTS SUMMARY	DETAIL	ADOPTED BY COUNCIL FEBRUARY 22, 2011						
SERVICED BASED VIEW	PAGE	BUDGET	FORECAST					2011-2016
(in Thousands of $)	NO.	2011	2012	2013	2014	2015	2016	TOTAL
EXECUTIVE POLICY								
Organizational Support Services								
Corporate Support Services								
Time and Labour	3-117	500						500
Consolidated Data Warehouse / Business Intelligence	3-118	925		169	153	218	203	1,668
Communications Network Infrastructure	3-119	638	593	277	541	566	553	3,168
Network Computing Initiatives	3-120	211	213	213	212	212	212	1,273
E-Government	3-121	310	467	629	655	603	573	3,237
PeopleSoft Upgrade	3-122	1,500	1,000	200				2,700
311 Renewal	3-123			300	646	729	335	2,010
Asset Management Program	3-124	200						200
Total Organizational Services		4,284	2,273	1,788	2,207	2,328	1,876	14,756
Assessment, Taxation and Corporate								
Assessment and Taxation								
Assessment Automation	3-125		500			750	500	1,750
Corporate								
Capital Investment Fund	3-126	7,899		150				8,049
Asset Management Initiative	3-127		100					100
Total Assessment, Taxation and Corporate		7,899	600	150		750	500	9,899
Council Services								
City Clerks								
Corporate Records Centre	3-112		150					150
Election Systems	3-113			150	200			350
City Archives	3-114	500	500	500	500	500		2,500
Total Council Services		500	650	650	700	500		3,000
TOTAL EXECUTIVE POLICY		12,683	3,523	2,588	2,907	3,578	2,376	27,655
TOTAL CAPITAL PROGRAM - SERVICE BASED VIEW		370,114	434,811	482,164	373,801	279,982	270,198	2,211,070

Winnipeg

The City of Winnipeg

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Appendices

2011
Adopted Capital Budget

and

2012 to 2016
Five Year Forecast

Adopted by Council February 22, 2011

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Appendix 1: City of Winnipeg Profile

Winnipeg is the vibrant capital of Manitoba, located at the geographical centre of North America. Richly steeped in history, Winnipeg's multicultural birthplace is marked at the junction of the Red and the Assiniboine Rivers, now a green urban oasis known as The Forks. Recognized as the 2010 Culture Capital of Canada, Winnipeg is a mid-sized city of over 740,000 culturally diverse people, who bring a cosmopolitan, international flair to the city, as well as a warm welcoming spirit. The city's diverse cultural make-up shines brightly thought its globally inspired cuisine, wide array of world-class arts, culture and festivals, many one-of-a-kind shops and trendy boutique, and widespread opportunity to experience the wonders of nature and breathtaking prairie scenery throughout the seasons.

Source: Tourism Winnipeg – 2011 Visitor's Guide
http://www.tourismwinnipeg.com/about-tourism-winnipeg

The following are "Winnipeg Fast Facts".

LOCATION

Winnipeg lies at the geographic centre of North America. Winnipeg is the capital city of Manitoba, a resource-rich province of 1.2 million people bordered by Ontario to the east, Saskatchewan to the west, and North Dakota and Minnesota to the south. The city is just 100 km (62 miles) from the United States border and is the major Canadian centre closest to Mexico.

Winnipeg's history is the tale of a prime meeting place at the junction of two rivers – the north-flowing Red and the east-flowing Assiniboine. Winnipeg is a welcoming gateway, a centre of commerce and trade, a centre for arts and culture, with a rich history and growing economic opportunity.

DIVERSITY

Winnipeg has the most diverse economy of major cities in Canada. Key industries include: transportation and distribution, aerospace, agribusiness, finance and insurance, life sciences and biotechnology, information and communications technology, media, tourism, electric power, apparel, furniture and advanced manufacturing.

Winnipeg is also one of the most culturally diverse cities anywhere. Some 100 languages are represented in the region and Winnipeg is well known for its cultural achievements and flourishing arts scene.

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AREA

Total Area in City	462 sq. km (178 sq. mi.)
Riverbank Frontage	178 km (111 mi.)

Source: City of Winnipeg

POPULATION

Total Population of Census Metropolitan Area (2009)	742,408

Population by Age Group

17 and Under	155,472
Age 18-24	76,447
Age 25-64	408,688
Age 65-74	49,282
Age 75 and over	52,519
Median Age	38

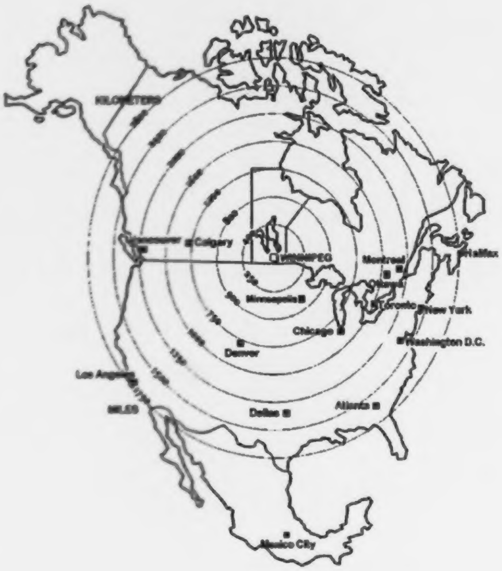
Source: Statistics Canada

CLIMATE

Average Summer Temperature	25.4°C (77.7°F)
Average Winter Temperature	-12.9°C (8.8°F)
Average Annual Precipitation	51.4cm (20.2")
Average Annual Rainfall	41.6cm (16.4")
Average Annual Snowfall	110.6cm (43.5")

Winnipeg has 2,372 hours of sunshine on average per year, among the highest of Canadian cities, and 2,727 hours of clear skies on average per year, the highest of all Canadian cities.

Source: Environment Canada


KILOMETERS
Vancouver
Calgary
WINNIPEG
Montreal
Halifax
Ottawa
Minneapolis
Toronto
New York
Chicago
Washington D.C.
Denver
Los Angeles
MILES
Dallas
Atlanta
Mexico City

ROAD DISTANCE (in kilometers: 1km = 0.62 mile)

Brandon, MB	200
Kenora, ON	205
Grand Forks, ND	231
Fargo, ND	350
Regina, SK	576
Thunder Bay, ON	702
Minneapolis, MN	723
Saskatoon, SK	798
Edmonton, AB	1,313
Kansas City, MO	1,315
Calgary, AB	1,326
Chicago, IL	1,361
Denver, CO	1,847
Toronto, ON	2,079
Dallas, TX	2,145
Ottawa, ON	2,171
Montreal, QC	2,291
Vancouver, BC	2,372
Washington, DC	2,496
Quebec City, QC	2,535
New York, NY	2,659
Los Angles, CA	3,330
Halifax, NS	3,463

Source: Culture, Heritage & Tourism, Province of Manitoba

HOUSING

Average House Price Comparison (2009)

Winnipeg, MB	$207,232
Calgary, AB	$384,103
Edmonton, AB	$320,361
Halifax, NS	$239,540
Regina, SK	$243,552
Ottawa, ON	$303,700
Toronto, ON	$392,235
Vancouver, BC	$580,971

Source: Canadian Real Estate Association

Average Two Bedroom Apartment Rent (2009)

Winnipeg, MB	$809
Calgary, AB	$1,099
Edmonton, AB	$1,015
Halifax, NS	$877
Montreal, QC	$669
Ottawa, ON	$1,028
Toronto, ON	$1,096
Vancouver, BC	$1,169

Source: Canada Mortgage and Housing Corporation

UTILITIES

Electric and Gas: Manitoba Hydro
Water: City of Winnipeg

COMMUNICATION SERVICES

Newspapers: Daily & Sunday: 2 Weekly: 5

Radio Stations: 24

Television Stations: CBC, CKY, Global, Citytv, Aboriginal Peoples Television Network, JoyTV

Telephone Service: MTS Communications Inc., Shaw

Long Distance Services: MTS, Shaw, AT&T, Primus, Sprint, Telus

Mail Service: Canada Post, Purolator, Federal Express, UPS, Loomis

RECREATION

Park Sites	937
Park Area	10,000 acres
Golf Courses	26
Indoor Arenas	30
Curling Rinks	20
Indoor Swimming Pools	13
Recreation Centres	9
Libraries	20

SPORTS & ENTERTAINMENT

Canadian Football League Team
(Winnipeg Blue Bombers)
American Hockey League Team
(Manitoba Moose)
Northern Baseball League Team
(Winnipeg Goldeyes)
Race Track
Casinos
Riverboat Tours
MTS Centre (seats 15,015)
Canad Inns Stadium (seats 29,000)
Winnipeg Convention Centre
Royal Winnipeg Ballet
Winnipeg Symphony Orchestra
IMAX Theatre
Performing Arts Organizations
Museums
Galleries
Arts Education Facilities
Assiniboine Park Zoo
Amusement Parks
Water Slides
Community Centres

Source: City of Winnipeg, Film and Cultural Affairs

MEDICAL CARE

Hospitals	9
Number of Beds	2,979
Personal Care Homes	41
Medical Doctors (in Manitoba)	2,074
Dentists	400
Doctors of Chiropractic	226

EDUCATION

Post-Secondary Enrolment (2008/09)

University of Manitoba	26,156
University of Winnipeg	9,181
Collége universitaire de Saint – Boniface	877
Red River College	11,244
Canadian Mennonite University	686

Source: Council on Post-Secondary Education

GROSS DOMESTIC PRODUCT

Winnipeg CMA (2009) (2002 $)	$25.0 billion

Source: Conference Board of Canada Metropolitan Outlook, Spring 2010

EMPLOYMENT BY INDUSTRY WINNIPEG CMA

Employed Labour Force, by Industry (2009, in thousands)

All industries	395.6
Goods-producing sector	70.1
Primary	2.6
Utilities	4.4
Construction	22.8
Manufacturing	40.3
Services-producing sector	325.5
Trade	59.6
Transportation and warehousing	27.3
Finance, insurance, real estate and leasing	28.6
Professional, scientific and technical services	20.5
Business, building and other support services	15.4
Educational services	33.3
Health care and social assistance	51.8
Information, culture and recreation	18.4
Accommodation and food services	24.4
Other services	18.9
Public administration	27.2

Source: Statistics Canada, Labour Force Historical Review 2009

UNEMPLOYMENT RATE

Winnipeg (2010)	5.4%
Canada (2010)	8.0%

Source: Statistics Canada

RETAIL AND INCOME DATA

Retail Sales (2009)	$9.4 billion

Source: Conference Board of Canada

AVERAGE EARNINGS

Median Family Income, Canada (2006)	$63,600
Median Family Income, Winnipeg (2006)	$64,700

Source: Statistics Canada

TOURISM

Annual Visitors to Winnipeg	2.6 million
Overnight Visitor Expenditures (2008)	$483 million

Source: Statistics Canada, Research Resolutions & Consulting Ltd.

Total Hotel & Motel Rooms	6,200
Winnipeg Convention Centre (total floor space)	>160,000 sq. ft.

LARGE CORPORATIONS BASED IN WINNIPEG

Great-West Lifeco Inc.	Insurance
Canadian Wheat Board	Agribusiness
Cargill Ltd.	Agribusiness
James Richardson & Sons	Conglomerate
CanWest Global Communications	Media
Manitoba Hydro-Electric Board	Utility
IGM Financial Inc.	Finance
Wawanesa Mutual Insurance Co,	Insurance
Manitoba Telecom Services Inc.	Telecommunications
North West Company Fund	Merchant
New Flyer Industries Inc.	Manufacturing
Manitoba Public Insurance Corp.	Insurance
Paterson GlobalFoods Inc.	Agribusiness
Manitoba Lotteries Corp.	Amusement
Ridley Inc.	Agribusiness
Manitoba Liquor Control Commission	Retail
Centra Gas Manitoba Ltd.	Utility
Winpak Ltd.	Manufacturing
Boeing Canada Inc.	Manufacturing
Princess Group Inc.	Automative
Bison Transport Inc.	Transportation
WGI Westman Group Inc.	Manufacturing
Buhler Industries Inc.	Manufacturing
Arctic Glacier Income Fund	Manufacturing
Cangene	Biopharma
Ag Growth International Inc.	Manufacturing
Boyd Group Income Fund	Service
Exchange Industrial Income Fund	Manufactuing
Pollard Holdings LP	Printing
Manitoba Pork Marketing Co-op.	Agribusiness
Empire Industries	Manufacturing
Assiniboine Credit Union Ltd	Finance

Source: from *Financial Post Business FP500*, June 2009

INDUSTRIAL SPACE

Winnipeg has 12 fully serviced industrial parks collectively representing over 2,000 acres of space.

Average Net Rent (warehouse per sq ft)	$4.00
Industrial Vacancy Rate	5%

Source: Colliers International

COMMERCIAL/INDUSTRIAL LEASE RATES

Downtown Office Space

Class "A" net average rent $16.85 per sq. ft; vacancy rate 7.50%

Class "B" net average rent $13.93 per sq. ft; vacancy rate 7.7%

Class "C" net average rent $10.34 per sq. ft; vacancy rate 6.6%

Source: Cushman Wakefield LePage

VALUE OF BUILDING PERMITS

Winnipeg (2009)	$929.6 million

Source: Statistics Canada

TRANSPORTATION

Major Highway Systems

- No. 1 Trans Canada (east-west) direct connection to all major urban centres in Canada
- Manitoba No. 75 South to connect with U.S. Interstate No. 29 and Minnesota No. 94 (Border crossing: Emerson)
- Manitoba No. 59 to connect with Minnesota No. 59 and U.S. #2 (Border Crossing: Tolstoi)

Motor Freight Service

Winnipeg is serviced by over 30 motor freight carriers. Having developed and maintained its position as a transportation centre, Winnipeg is the headquarters for eight of the top ranking interprovincial general freight carriers:

Arnold Bros. Transport Ltd.
Bison Transport Services Ltd.
Kleysen Transport Ltd.
Paul's Hauling Ltd.
Purolator Courier
Reimer Express Lines Ltd.
TransX Ltd.
Winnipeg Motor Express Inc.

In addition, Canadian Pacific Railway and Canadian National Railway operate intermodal terminals in Winnipeg.

Source: Manitoba Highways & Government Services

Water Transportation

- Port of Churchill provides Manitoba direct access to the sea
- Assiniboine River – navigable for recreation
- Red River – navigable for recreation

Air Service

The Winnipeg James A. Richardson International Airport (YWG), operated by the Winnipeg Airports Authority Inc. is the only international airport between Toronto and Calgary capable of handling large freighter aircraft. YWG is competitively positioned as a 24-hour airport and serves over 3.5 million passengers, 140,000 aircraft movements, and handles nearly 160,000 metric tonnes of cargo annually.

Airlines operating out of Winnipeg James A. Richardson International Airport:

Passenger Carriers

Air Canada
Air West Aviation
Calm Air
First Air
Keystone Air Service
Northway Aviation
Perimeter Aviation
Sunwing Airlines
Wasaya Airways
WestJet Airlines
Air Transat
Bearskin Airlines
Fast Air
Innotech-Execaire
Kivalliq Air
Northwest Airlines
Skyservice Airlines
United Airlines
West Wind Aviation

Air Cargo Carriers

Air Canada Cargo
Calm Air Cargo
FedEx
Northwest Cargo
Purolator
Volga-Dnepr Airlines
Bearskin Airlines
Cargojet Canada
First Air
Perimeter
UPS
WestJet Cargo

Source: Winnipeg Airports Authority Inc.

TRADE

Total Merchandise Exports:

From Province of Manitoba (2009)	$10.5 billion
To the United States (2008)	$7.0 billion

Source: Statistics Canada Trade Data Online

Source: Economic Development Winnipeg website
http://www.economicdevelopmentwinnipeg.com

City of Winnipeg Council

Mayor Sam Katz

Mike Pagtakhan
Point Douglas Ward

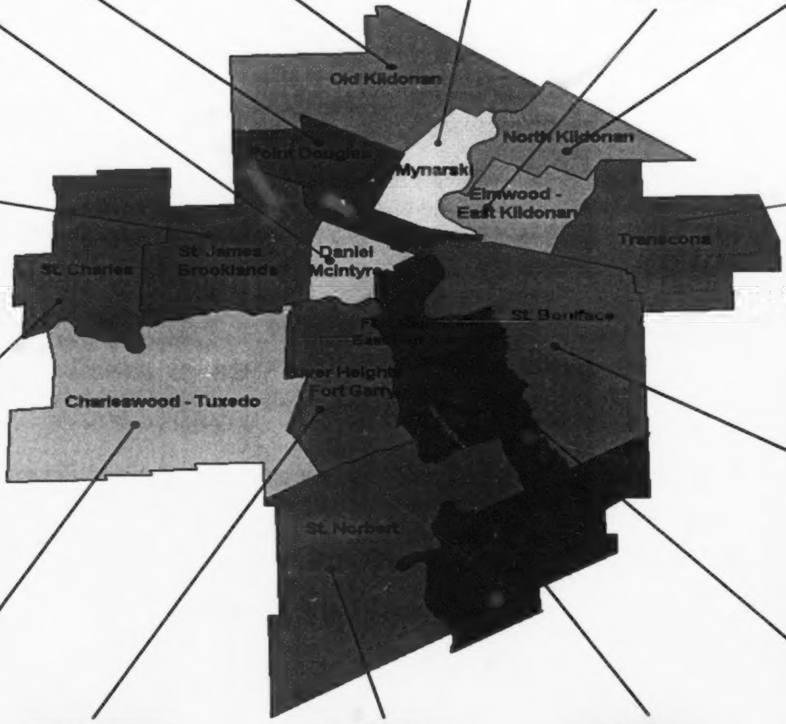
Devi Sharma
Old Kildonan Ward

Ross Eadie
Mynarski Ward

Thomas Steen
Elmwood-East
Kildonan Ward

Harvey Smith
Daniel McIntyre Ward

Jeff Browaty
North Kildonan Ward


Old Kildonan
Point Douglas
Mynarski
North Kildonan
Elmwood - East Kildonan
Transcona
St. Charles
St. James - Brooklands
Daniel McIntyre
St. Boniface
Fort Rouge - East Fort Garry
River Heights - Fort Garry
Charleswood - Tuxedo
St. Norbert

Scott Fielding
St. James-Brooklands
Ward

Russ Wyatt
Transcona Ward

Grant Nordman
St. Charles Ward

Daniel Vandal
St. Boniface Ward

Paula Havixbeck
Charleswood –
Tuxedo Ward

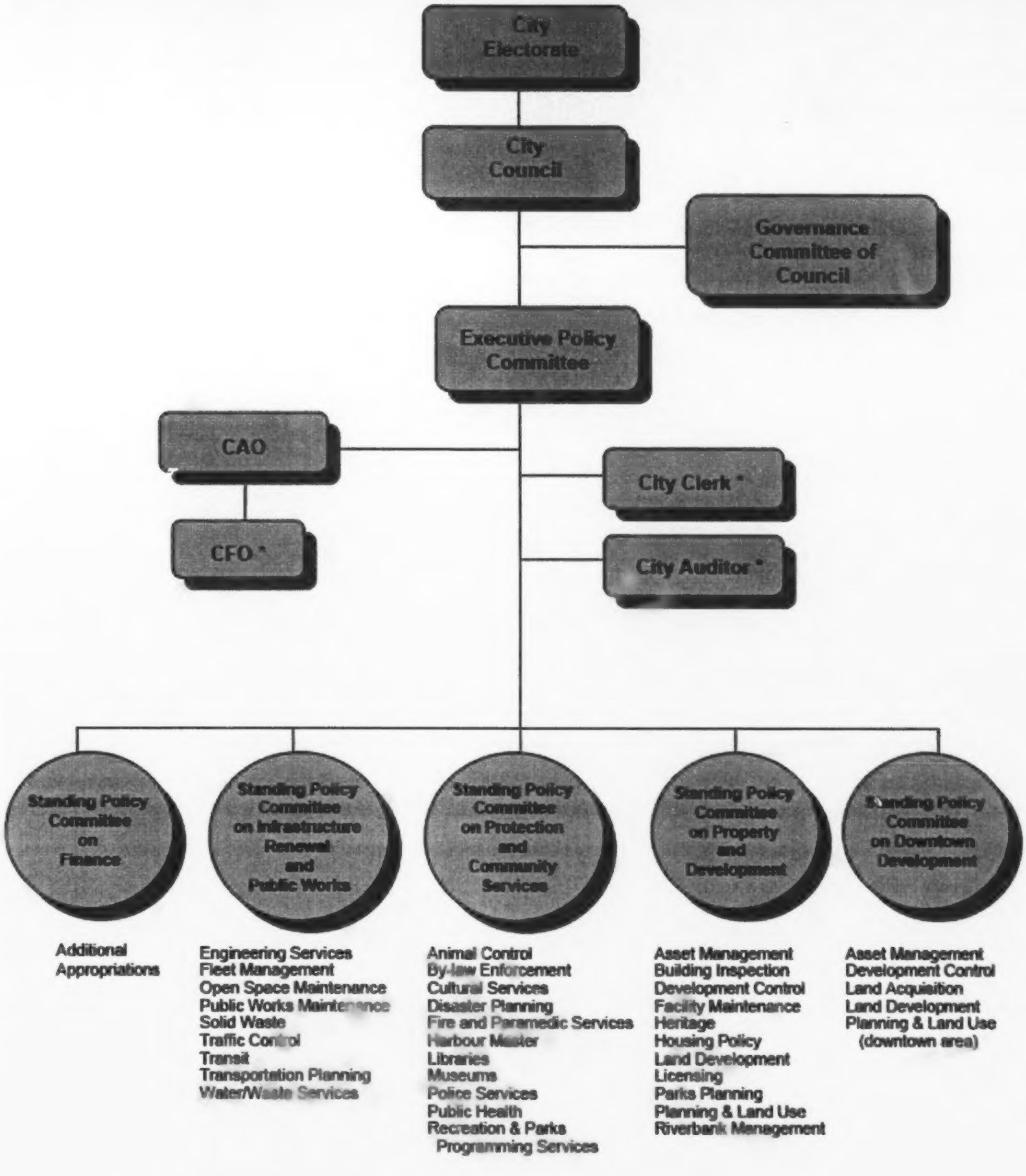
Jenny Gerbasi
Fort Rouge-East
Fort Garry Ward

John Orlikow
River Heights-
Fort Garry Ward

Justin Swandel
St. Norbert Ward

Gord Steeves
St. Vital Ward

City of Winnipeg Organization


City Electorate
City Council
Governance Committee of Council
Executive Policy Committee
CAO
CFO *
City Clerk *
City Auditor *
Standing Policy Committee on Finance
Standing Policy Committee on Infrastructure Renewal and Public Works
Standing Policy Committee on Protection and Community Services
Standing Policy Committee on Property and Development
Standing Policy Committee on Downtown Development
Additional Appropriations
Engineering Services
Fleet Management
Open Space Maintenance
Public Works Maintenance
Solid Waste
Traffic Control
Transit
Transportation Planning
Water/Waste Services
Animal Control
By-law Enforcement
Cultural Services
Disaster Planning
Fire and Paramedic Services
Harbour Master
Libraries
Museums
Police Services
Public Health
Recreation & Parks Programming Services
Asset Management
Building Inspection
Development Control
Facility Maintenance
Heritage
Housing Policy
Land Development
Licensing
Parks Planning
Planning & Land Use
Riverbank Management
Asset Management
Development Control
Land Acquisition
Land Development
Planning & Land Use (downtown area)

** CFO, City Auditor and City Clerk have statutory reporting relationship to City Council*

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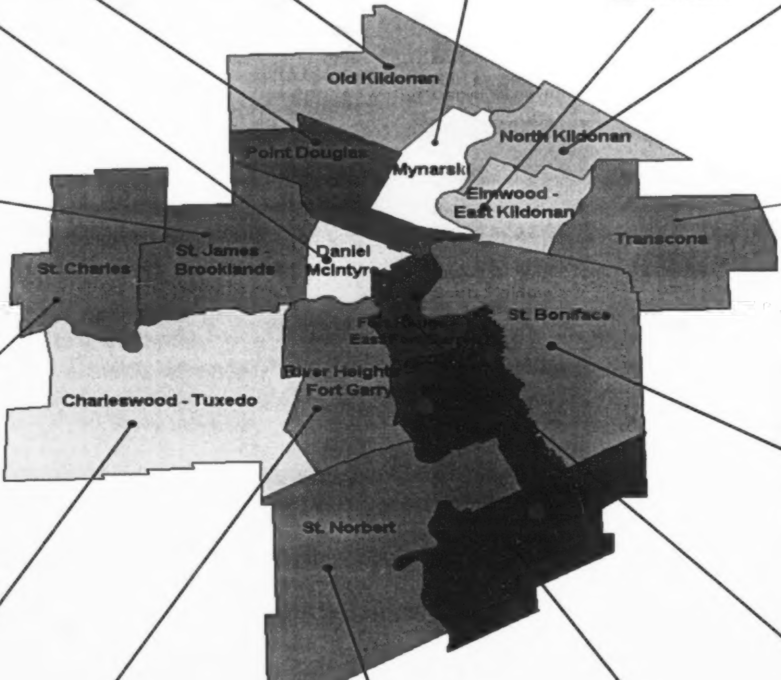
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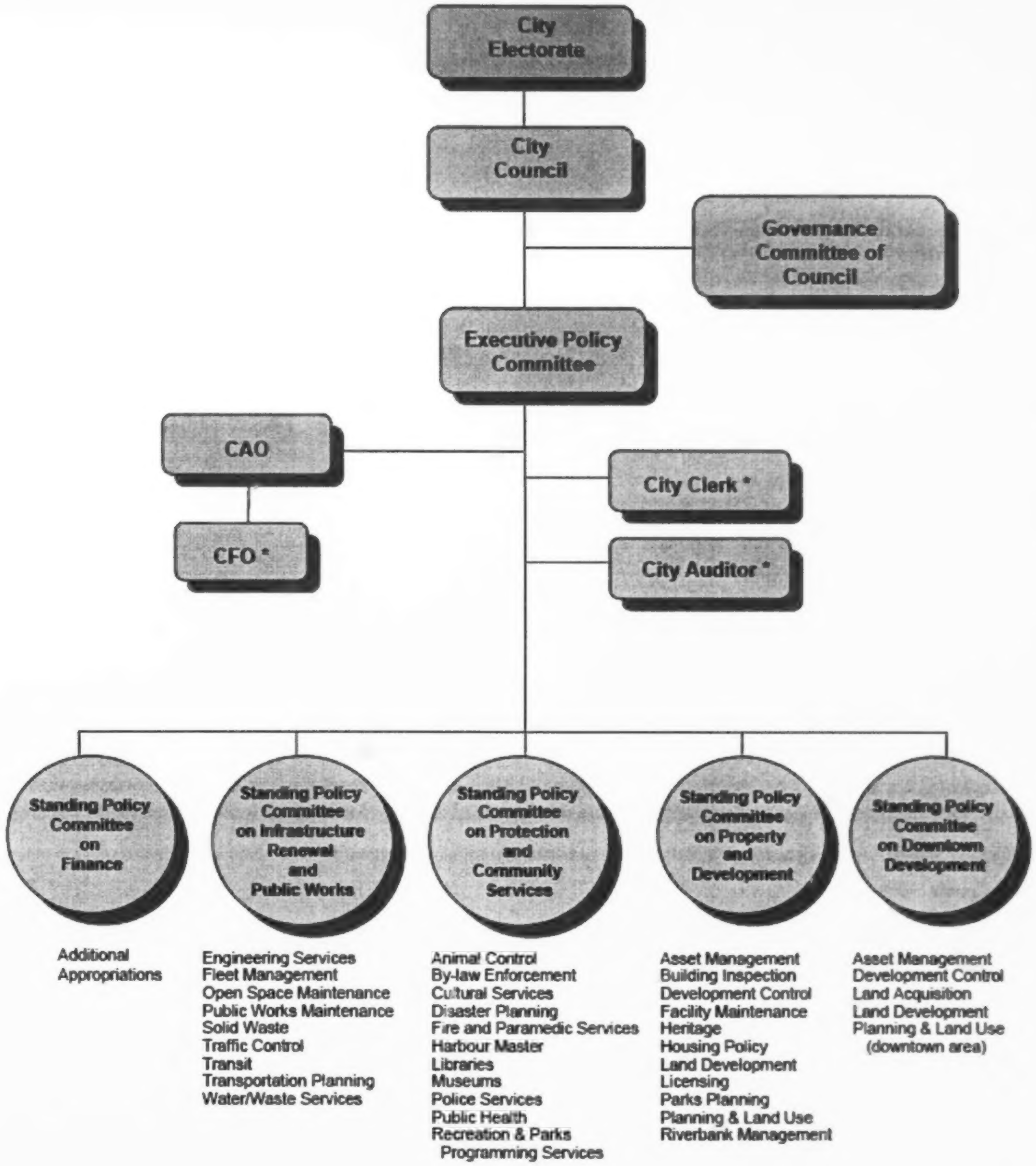
City of Winnipeg Organization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By-law Enforcement
Cultural Services
Disaster Planning
Fire and Paramedic Services
Harbour Master
Libraries
Museums
Police Services
Public Health
Recreation & Parks Programming Services
Asset Management
Building Inspection
Development Control
Facility Maintenance
Heritage
Housing Policy
Land Development
Licensing
Parks Planning
Planning & Land Use
Riverbank Management
Asset Management
Development Control
Land Acquisition
Land Development
Planning & Land Use (downtown area)

** CFO, City Auditor and City Clerk have statutory reporting relationship to City Council*

Appendix 2: Cost Estimation Classification System

Class 5	Typical estimate methodology is judgment and not predicted precisely. (Concept Screening)		
Level of Project Definition	0 to 2%	Expected Accuracy	High: +30% to +100% Low: -20% to -50%

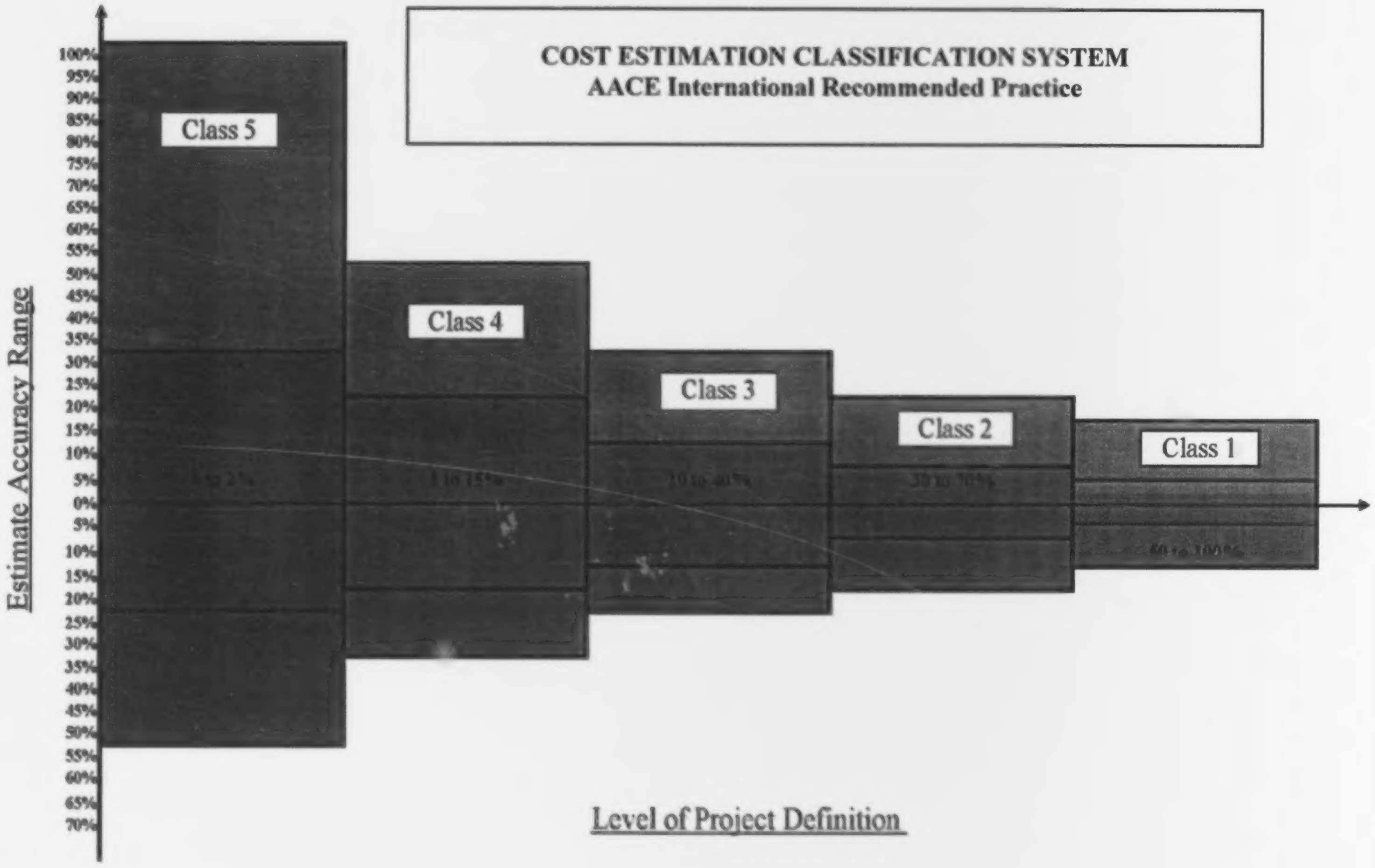
Class 4	Typical estimate methodology primarily judgment. (Concept Study or Feasibility)		
Level of Project Definition	1 to 15%	Expected Accuracy	High: +20% to +50% Low: -15% to -30%

Class 3	Typical estimate methodology is a mixture of deterministic and judgment but primarily judgmental. (Budget Authorization or Control)		
Level of Project Definition	10 to 40%	Expected Accuracy	High: +10% to +30% Low: -10% to -20%

Class 2	Typical estimate methodology is primarily deterministic. (Control or bid/tender)		
Level of Project Definition	30 to 70%	Expected Accuracy	High: +5% to +20% Low: -5% to -15%

Class 1	Typical estimate methodology is deterministic. (Check Estimate or bid / tender)		
Level of Project Definition	50 to 100%	Expected Accuracy	High: +3% to +15% Low: -3% to -10%

Based on Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 17R-97 Cost Estimating Classification System.



COST ESTIMATION CLASSIFICATION SYSTEM
AACE International Recommended Practice

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Appendix 3: Capital Priority Rating System

The purpose of the Priority System is to provide a set of criteria by which proposed spending programs can be ranked in order of priority on a City-wide basis over the whole range of City functions and activities.

The System recognizes two basic factors, namely, priority of function (priority grouping) and degree of priority (sub-group rating).

Priority Groupings		Priority Points Main	Priority Points Sub
A.	**Vital Services** Those basic elements of essential services which are vital to the day to day domestic, industrial, and commercial life of the City. Capital expenditures within this group would be related to: 1. Sewage Disposal Collection System and treatment facilities. 2. Water aqueduct reservoirs, pumping stations and trunk feedermains	5	
B.	**Essential Services** Those basic services characterized by a high degree of public necessity, convenience and safety. Capital expenditures within this group would be related to: 1. Public Transportation 2. Fire and Police Protection 3. Garbage Collection and Disposal 4. Regional Street System 5. Land Drainage	3	

	Priority Groupings	Priority Points	
		Main	Sub
C.	**Standard Services** Those services which would reasonably be expected to be provided to all citizens of the City for their convenience and in accordance with generally accepted standards. Capital expenditures within this group would be related to: 1. Residential Street and Lane Construction (Local Improvements or other).	2	
D.	**Desirable Services** Those services having an aesthetic social, cultural, educational or entertainment value. Capital expenditures within this group would be related to: 1. Parks and Related Facilities 2. Recreational Facilities 3. Libraries 4. Museums	1	
	Sub-Group Rating Could cause a serious imminent disruption of service (should be done without undue delay).		4
	Would extend or complete the expected usefulness and/or reliability of a facility (should not be delayed for more than 1 year).		3
	Would improve a facility which is at present sub-standard or approaching a high degree of obsolescence (should not be delayed for more than 2 years)		2
	Would qualify as a minimum sustaining program - desirable but not absolutely essential (could be delayed for 3 years or more).		1
Note:	A bonus of up to 2 points may be added to any of the subcategories 1 to 4 for projects that clearly contribute specifically to the City's declared development objectives.		

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Appendix 4: Public Private Partnership Payments as a Percentage of Cash to Capital/Gas Tax

(In thousands of dollars)	2011	2012	2013	2014	2015	2016
Public Private Partnership Payments:						
1 Charleswood Bridge	1,478	1,478	1,478	1,478	1,478	1,478
2 Police Building Replacement	891	2,074	3,449	3,449	3,449	3,450
3 Disraeli Bridge and Overpass Facility		7,700	19,800	19,800	19,800	19,800
4 Chief Peguis Trail - Henderson to Lagimodiere	2,444	8,284	8,284	8,284	8,284	8,284
Total	4,813	19,536	33,011	33,011	33,011	33,012
Less Manitoba Winnipeg Infrastructure Fund (2010 - 2019)	-	-	(5,000)	(5,000)	(5,000)	(5,000)
Net Public Private Partnership Payments	**4,813**	**19,536**	**28,011**	**28,011**	**28,011**	**28,012**
Financing Sources:						
1 Cash to Capital	67,478	69,478	71,478	73,478	75,478	77,478
2 Federal Gas Tax	40,450	41,050	40,450	40,450	40,450	40,450
Total Cash to Capital and Gas Tax	**107,928**	**110,528**	**111,928**	**113,928**	**115,928**	**117,928**
Payments as a Percentage of Cash to Capital and Gas Tax	**4.46%**	**17.68%**	**25.03%**	**24.59%**	**24.16%**	**23.75%**

Notes:

1 Public Private Partnership Payments include Annual Service/financing payments.

2 The Province of Manitoba announced an additional $53.3 million over a ten-year period for roads funding to the City of Winnipeg, amending its contribution to the City under the Manitoba-Winnipeg Infrastructure Fund.

3 Estimated amounts for planned Public Private Partnerships are subject to change based on the final procurement process.

Appendix 5: Historical Analysis of Borrowing Authority, Financing Sources, Application of Funds

FINANCING SOURCES

Capital expenditures are funded from many sources besides debt. The following is a breakdown by the major categories for adopted capital budgets for 2006 to 2011.

	Adopted Capital Budgets (in Thousands of $)					
	2006[1]	2007[2]	2008[3]	2009	2010	2011
CAPITAL AUTHORIZATIONS						
General (including Transit and Municipal Accommodations).	$ 161,185	$ 285,113	$ 300,658	$ 320,183	$ 281,440	$ 294,404
Local Improvements.	5,729	2,569	3,794	9,777	-	-
Utilities.	140,669	139,641	116,647	146,529	157,675	75,560
Special Operating Agencies.	-	-	-	-	415	150
TOTAL CAPITAL PROGRAM	**307,583**	**427,323**	**421,099**	**476,489**	**439,530**	**370,114**
LESS AVAILABLE FINANCING						
Cash to Capital.	56,000	59,478	61,078	63,478	65,478	67,478
Reserves / Other City Funding.	36,383	59,384	51,542	49,481	43,292	53,756
Retained Earnings.	23,500	29,120	52,120	37,989	29,567	42,010
Provincial Funding.	22,020	44,786	51,506	46,506	81,460	54,873
Federal Funding.	37,640	41,273	20,514	42,029	66,687	62,850
Provincial / Federal Funding.	31,798	5,713	5,187	59,246	21,539	-
Public Private Partnerships.	-	107,905	126,895	3,734	8,711	21,200
Other.	6,682	5,413	11,569	25,716	17,073	295
TOTAL AVAILABLE FUNDING	**214,023**	**353,072**	**380,411**	**328,179**	**333,807**	**302,462**
BORROWING AUTHORITY REQUIRED FOR THE CAPITAL PROGRAM	**93,560**	**74,251**	**40,688**	**148,310**	**105,723**	**67,652**
LESS BORROWING AUTHORITY REQUIRED FOR UTILITIES	**81,300**	**69,138**	**37,200**	**50,715**	**75,723**	**-**
BORROWING AUTHORITY REQUIRED FOR TAX SUPPORTED	**$ 12,260**	**$ 5,113**	**$ 3,488**	**$ 97,595**	**$ 30,000**	**$ 67,652**

[1-3] See Page 5-16 for note details.

FINANCING

The following information itemizes all the sources of financing for adopted capital budgets for 2006 to 2011.

	2006[1]	2007[2]	2008[3]	2009	2010[6]	2011
FINANCING SOURCES OTHER THAN DEBT:			(In Thousands of $)			
Reserves / Other City Funding:						
Cash to Capital	$ 56,000	$ 59,478	$ 61,078	$ 63,478	$ 65,478	$ 67,478
Public Private Partnership Annual Service/ Financing Payments.	-	(1,478)	(1,838)	(2,369)	(8,469)	(10,913)
Interim Financing / (Repayment).	(3,544)	(916)	8,077	2,342	1,978	10,266
Watermain Renewal Reserve.	6,800	7,000	7,000	7,000	12,000	13,500
Aqueduct Renewal Reserve.	-	-	-	300	-	-
Water Treatment Reserve.	16,000	8,500	-	-	-	-
Sewer System Rehabilitation Reserve.	-	15,080	12,600	12,600	19,000	13,500
Rapid Transit Infrastructure Reserve.	-	-	-	2,750	-	4,242
Transit Bus Replacement Reserve.	7,160	5,885	6,098	7,920	5,976	9,036
Environmental Reserve.	(4,007)	6,420	7,727	11,450	8,100	7,300
Contributions in Lieu of Land Dedication Reserve.	275	-	-	-	35	-
Land Operating Reserve.	-	2,737	973	-	440	-
General Purpose Reserve / (Repayment).	2,770	3,373	2,482	(12)	-	(4,358)
Golf Course Reserve.	-	-	-	-	300	173
Economic Development Investment Reserve.	-	-	-	-	-	450
Proceeds from Glacial Sand and Gravel.	-	-	-	-	2,732	7,602
Communications Account.	650	-	-	-	-	-
Frontage Levy - local streets and sidewalks.	19,580	-	-	-	-	-
Frontage Levy - Land Drainage.	-	7,500	7,500	7,500	1,100	-
Federation of Canadian Municipalities Loan (repayment).	(6,808)	(3,417)	-	-	-	-
Transfer from Sewage Utility (prior years' authorized external debt).	(14,390)	7,600	923	-	-	-
Red River Community Centre.	478	-	-	-	-	-
Transfers from Other Capital Accounts.	-	-	-	-	100	2,958
Transfers from other authorized projects.	11,419	1,100	-	-	-	
Sub-total Reserves/Other City Funding	36,383	59,384	51,542	49,481	43,292	53,756
Rtained Earnings:						
Transit.	-	-	-	-	-	450
Waterworks System.	5,125	7,675	13,545	15,082	8,625	14,070
Sewage Disposal System.	17,775	20,945	38,173	20,907	18,975	27,090
Solid Waste Disposal System.	600	500	402	2,000	1,967	400
Sub-total Retained Earnings	23,500	29,120	52,120	37,989	29,567	42,010
Provincial Funding:						
Manitoba Winnipeg Infrastructure Program.	11,670	11,666	11,666	10,666	18,766	16,366
Building Manitoba Fund						
Regional and Local Streets.	6,510	7,000	7,000	7,000	7,000	7,000
Transit - Regular Transit Buses.	3,840	3,840	3,840	3,840	3,840	3,840
Active Transportation Project.	-	-	-	-	6,804	-
Waverley West Arterial Roads Project.					15,000	-
Brady Landfill Gas Capture Project.	-	-	-	-	4,450	-
Street Sweepings Recycling Program Implementation.	-	-	-	-	100	-
Transcona Centennial Square.	-	-	-	-	500	-
Provincial Funding for Road Improvements.	-	21,000	29,000	25,000	25,000	25,000
Tuxedo Yards Development.	-	-	-	-	-	2,667
Provincial Payment for Gap in Transit Gas Tax Formula.	-	1,280	-	-	-	-
Sub-total Provincial Funding	22,020	44,786	51,506	46,506	81,460	54,873
	$ 137,903	**$ 192,768**	**$ 216,246**	**$ 197,454**	**$ 219,797**	**$ 218,117**

[1-3] See Page 5-16 for note details.

FINANCING (continued)

	2006[1]	2007[2]	2008[3]	2009	2010[6]	2011
Federal Funding:						
Federal Gas Tax.	23,280	16,413	20,514	41,029	40,450	40,450
Government of Canada (Bill C-66)/Public Transit Capital Trust Funds.	14,360	24,860	-	1,000	1,000	-
Veterans Affairs Canada.	-	-	-	-	150	100
Recreational Infrastructure Fund.	-	-	-	-	50	-
Infrastructure Stimulus Fund.	-	-	-	-	6,804	-
Building Canada Fund.	-	-	-	-	18,233	-
PPP Canada Inc. - Federal funding.	-	-	-	-	-	22,300
Sub-total Federal Funding	37,640	41,273	20,514	42,029	66,687	62,850
Provincial / Federal Funding:						
Canada / Manitoba Infrastructure Projects.						
Rapid Transit Corridor (Phase 1)	-	-	-	35,000	-	-
Canada Strategic Infrastructure Fund						
Centrate Nutrient Reduction Treatment - NEWPCC.	13,778	-	-	-	-	-
Effluent Disinfection and Nutrient Removal - WEWPCC.	14,187	-	-	-	-	-
Effluent Disinfection and Nutrient Removal - SEWPCC.	-	-	-	20,608	-	-
Nutrient Removal/Expansion - SEWPCC.	-	-	-	-	18,427	-
Recreation and Leisure Facilities.	-	5,125	5,125	3,638	3,112	-
Kenaston Underpass.	3,000	-	-	-	-	-
Winsmart - Urban Transportation Showcase.	833	588	62	-	-	-
Sub-total Provincial/Federal Funding	31,798	5,713	5,187	59,246	21,539	-
Other:						
Public Private Partnerships.	-	107,905	126,895	3,734	8,711	21,200
Developer Capacity Charges/Developers.	3,357	5,413	1,069	2,056	-	295
Red River Community Centre Funding.	325	-	-	-	-	-
Federation of Canadian Municipalities Grant.	3,000	-	-	-	-	-
Prior Years' Surplus/Authorization.	-	-	10,500	23,660	17,073	-
Sub-total Other	6,682	5,413	11,569	25,716	17,073	295
TOTAL FINANCING SOURCES OTHER THAN DEBT	**214,023**	**353,072**	**380,411**	**328,179**	**333,807**	**302,462**
DEBT:						
Local Improvement.	5,452	1,696	3,488	7,845	-	-
Federation of Canadian Municipalities Loan.	6,808	3,417	-	-	-	-
Public Works - Chief Peguis Trail.	-	-	-	-	30,000	(11,300)
Winnipeg Police Headquarters.	-	-	-	-	-	78,952
Tax Supported - Transit.	-	-	-	89,750	-	-
Total Tax Supported.	12,260	5,113	3,488	97,595	30,000	67,652
Utilities.	81,300	69,138	37,200	50,715	75,723	-
TOTAL DEBT	**93,560**	**74,251**	**40,688**	**148,310**	**105,723**	**67,652**
TOTAL CAPITAL PROGRAM	**$ 307,583**	**$ 427,323**	**$ 421,099**	**$ 476,489**	**$ 439,530**	**$ 370,114**

[1-3] See Page 5-16 for note details.

APPLICATION OF FUNDS

The following information, organized by department, provides a historical analysis of adopted capital budgets for 2006 to 2011.

	2006[1]	2007[2]	2008[3]	2009	2010[6]	2011
TAX SUPPORTED CAPITAL			(In Thousands of $)			
Public Works						
- Streets	$ 61,599	$ 156,693	$ 179,833	$ 96,690	$ 187,465	$ 111,546
- Parks & Open Spaces	1,033	3,383	5,233	4,883	4,666	7,695
Land Drainage and Flood Control[4]						6,098
- Regional	12,700	16,100	14,195	11,350	11,300	-
- Residential	11,524	550	500	750	600	-
Winnipeg Police Service						
- Winnipeg Police Headquarters	-	-	-	-	-	99,360
- Canine Unit Facility [6]	-	-	-	-	1,250	-
- Other	-	20,655	34,353	11,696	9,161	179
Fire Paramedic Service	1,720	-	1,792	-	2,800	-
Corporate Support Services	4,996	2,325	1,518	583	2,640	4,284
Community Services						
- Special Projects	2,243	2,835	2,421	6,559	3,984	2,508
- Libraries	611	689	1,250	-	500	1,700
- Assiniboine Park Conservancy					7,972	9,623
- Planning, Property and Development						
- Building Communities	-	400	2,000	-	2,000	2,000
- Other	4,100	5,350	3,628	5,344	5,965	3,864
Planning, Property and Development						
- Civic Accommodations	8,769	12,909	5,806	7,167	6,400	-
- Building Services	18,263	16,870	21,990	6,700	4,675	-
Municipal Accommodations[5]						8,685
Special Projects - Various Departments	2,075	4,446	9,424	3,749	2,150	8,549
Transit	31,552	41,908	16,715	164,712	27,912	28,113
Total Tax Supported Capital Excluding Local Improvements	161,185	285,113	300,658	320,183	281,440	294,404
Local Improvements	5,729	2,569	3,794	9,777	-	-
Total Tax Supported Capital	**166,914**	**287,682**	**304,452**	**329,960**	**281,340**	**294,404**
UTILITIES CAPITAL						
Waterworks System	109,485	84,675	20,545	22,382	20,625	27,570
Sewage Disposal System						
- Regional	29,194	39,386	83,100	106,547	112,075	34,390
- Residential	1,260	15,080	12,600	15,600	12,600	13,200
Solid Waste Utility	730	500	402	2,000	12,375	400
Total Utilities Capital	**140,669**	**139,641**	**116,647**	**146,529**	**157,675**	**75,560**
SPECIAL OPERATING AGENCIES CAPITAL						
Winnipeg Golf Services	-	-	-	-	415	150
Total Special Operating Agencies Capital	**-**	**-**	**-**	**-**	**415**	**150**
TOTAL CAPITAL PROGRAM	**$ 307,583**	**$ 427,323**	**$ 421,099**	**$ 476,489**	**$ 439,530**	**$ 370,114**

Notes:

1 Budget as adopted by Council on February 21, 2006. No revisions made to reflect Council's March 21, 2006 decisions to increase cash to capital for 2006 to $56.5 million, nor to increase authorization for Regional and Local Streets by $1 million to reflect the tabling of the Provincial Budget.

2 Revised to reflect January 24, 2007 Council decision to increase the Wastewater Renewal Program by $3 million.

3 Revised to reflect March 26, 2008 Council decision to reduce the previously adopted 2008 capital program and the internal financing requirement by $400,000.

4 Commencing in the 2011 Capital Budget, Land Drainage and Flood Control projects are no longer segregated into regional and residential.

5 Civic Accommodations and Building Services have been amalgamated into a new division - Municipal Accommodations.

6 Revised to reflect December 15, 2010 Council decision to create a new capital project for Canine Unit facility and that funding for this project be transferred from: (a) $850,000 from the Police Radio 2010 capital budget; (b) $300,000 from the Police Priority Dispatch system 2010 capital project; and (c) $100,000 from the Winnipeg Police Service unspecified Capital Account.

Appendix 6: Statement of Current and Authorized Debenture Debt

The following information provides an overview of the City's authorized net debt as at December 31, 2010. The City issues both Sinking Fund and Serial or Instalment debentures for funding capital expenditures. On a consolidated basis, the City includes mortgages and bank loans incurred by wholly-owned corporations of the City, as well as public private partnership obligations and capital lease obligations, as outstanding debt of the City. The schedule below relates only to debenture debt for the City's tax-supported, utility operations, Transit and Municipal Accommodations Funds.

Beginning in 1998, the City adopted capital budgets that did not require the issuance of new tax supported debt (with the exception of local improvement costs to be repaid by taxpayers). As a result, the level of net tax-supported debt has decreased by $328 million since 1998.

From 2009 forward Council has approved tax supported borrowing authority to address the City's infrastructure deficit. The infrastructure deficit represents the cost to raise the average condition of the City's infrastructure assets to an appropriate asset management condition. The cost to improve the City's infrastructure assets to average condition has been estimated at $3.5 billion growing to $7.4 billion over the next ten years.

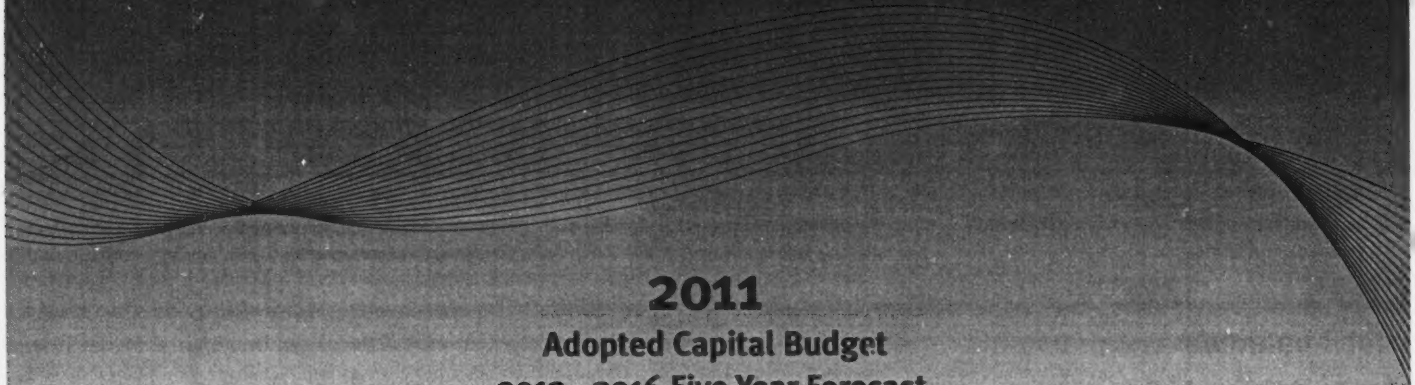
Council adopted The City of Winnipeg Debt Management Policy to provide guidance surrounding debt financing and management decisions. The City recognized that the foundation of any well-managed debt program is a comprehensive debt policy. This Policy sets forth the parameters for issuing debt and managing outstanding debt and provides guidance to decision makers regarding the timing and purposes for which debt may be issued and the types of debt and structural features that may be incorporated.

Debenture Debt (In Thousands of $)	Tax-Supported	Utility Operations and Other Funds	Combined Total
Gross Debenture Debt as at December 31, 2009	246,186	325,749	571,935
Less: Equity in Sinking Fund	(91,983)	(106,740)	(198,723)
Net Debt	154,203	219,009	373,212
Unallocated Sinking Fund Surplus	(301)	-	(301)
Net Debenture Debt as at December 31, 2009	153,902	219,009	372,911
Debt Maturing during 2010	(16,645)	(3,286)	(19,931)
Sinking Fund Incremental Change during 2010	(6,806)	(12,857)	(19,663)
New Debt Issued in 2010	-	60,000	60,000
Net Debt Outstanding as at December 31, 2010	130,451	262,866	393,317
Outstanding Borrowing Authorization	215,127	248,224	463,351
New Borrowing authorized in 2011 Capital Budget	78,952		78,952
Total Authorized Net Debt	424,530	511,090	935,620

Note: Does not include debt incurred or authorized for the City's Special Operating Agencies, capital lease obligations, debt incurred by Winnipeg Enterprises Corporation and Winnipeg Housing Rehabilitation Corporation.

The City issued $60.0 million in debt in 2010 to finance Transit for construction of the Southwest Rapid Transit Corridor – Phase 1.

New borrowing of $78.952 million was authorized in the 2011 Capital Budget for construction of the Police Headquarters.



2011
Adopted Capital Budget
2012 - 2016 Five Year Forecast

Adopted by Council February 22, 2011

Winnipeg